

Columbia-Presbyterian
Medical Center

1985-86
Publications
Professional Staff
Academic Faculty

This report is in two parts. Part I contains clinical, research, patient activity and administrative reports, financial summaries for The Presbyterian Hospital and Columbia University Health Sciences, and the report of Columbia-Presbyterian Medical Center Fund, Inc. Part I also lists Hospital and University trustees and administrative staff.

- Aldoroty, RA, and April EW: Donnan potentials generated by the surface charge of striated muscle filaments. *Extended Abstracts of the Electrochemical Society*, 85:670-671, 1985.
- April, EW: Preparatory Examination, National Boards Part I. John Wiley and Sons, Publishers, 1986.
- April, EW and Aldoroty, RA: Donnan potentials generated by the surface charge on muscle myofilaments. In *Electrical Double Layers in Biology*, M. Blank, editor, Academic Press, pp. 287-300, 1986.
- Baetge, G and Gershon, MD GABA in the PNS: Demonstration in enteric neurons. *Brian Res Bull* 16:421-424, 1986.
- Brandt, PW, Gluck, B, Mini, M, and Cerri, C: Hysteresis of the mamalian pCa/tension relation is small and muscle specific. *Journal of Muscle Research and Cell Motility*, 6:197-205, 1985.
- Diamond, MS, Brand, PW, Kawai, M, Schachat, FH: Replacement of fast troponin C in rabbit psoas with slow troponin C and Calmodulin: Effects on thin filament cooperativity. *Biophys J* 49:46a, 1986.
- Doty, SB: "Localization of calcium stimulated adenosine triphosphatase activity in blood vessels of the skeleton." *The Physiologist* 28:s125-126, 1985.
- Morphologic and histochemical studies of bone cells from SL-3 rats. *The Physiologist* 28:s225-s227, 1985.
- Doty, SB and Nunez, EA: Activation of osteoclasts and the repopulation of bone surfaces following hibernation in the bat, *myotis lucifugus*. *Anatomical Record* 213:481-495, 1985.
- Erde, SM, Sherman, D and Gershon, MD: Morphology and serotonergic innervation of physiologically identified cells of the guinea pig's myenteric plexus. *J Neuroscience* 5:617-633, 1985.
- Feit, H and Kawai, M: Physiological and biochemical characterization of avian dystrophic muscle reveals alterations of collagen. *Annals of the New York Academy of Sciences*, 460:431-433, 1985.
- Feit, H, Kawai, M and Schulman, MI: Stiffness and contractile properties of avian normal and dystrophic muscle bundles as measured by sinusoidal length perturbations. *Muscle and Nerve* 8:503-510, 1985.
- Feit, H, Hammon, K and Kawai, M: Collagen in chemically skinned, extracted dystrophic myofibers. *Muscle and Nerve*, 8:806-807, 1985.
- Feit, H, and Kawai, M: Physiological and biochemical characterization of avian dystrophic muscle reveals alterations of collagen. *Annals of New York Academy of Sciences*, 460:431-433, 1986.
- Gershon, MD, Takaki, M, Tamir, H and Branchek, T: The enteric neural receptor for 5-hydroxytryptamine. *Experientia* 41:863-868, 1985.
- Gershon, MD and Rothman, TP: Developmental abnormalities of the intrinsic nervous system. *Jap. J. Smooth Muscle Res.* 21 Suppl., 77-78, 1985.
- Gunzburg, J de, Franke, J, Kessin, RH and Vernon, M: Detection and developmental regulation of the mRNA for the regulatory subunit of the cAMP-dependent protein kinase of *D. discoideum* by cell-free translation. *EMBO Journal*, 5, 363-367, 1986.
- Kawai, M: The mechanism of muscular contraction: frequency response function of skinned fibers and an interpretation. In *Commemorative Symposia on the 20th Anniversary of Establishment of the Department of Pure and Applied Sciences (Tokyo University)*, Edited by Masumi, T and Lang, IIR Kadokawa Shoten Publishing Co., Tokyo, pp. 121-127, 1985.
- The role of orthophosphate in crossbridge kinetics in chemically skinned rabbit psoas fibers as detected with sinusoidal and step length alterations. *J Muscle Res Cell Mot* 7:421-434, 1986.
- Kawai, M, and Schulman, MI: Cross-bridge kinetics when the actin-myosin lattice spacing is altered by dextran T-500 in chemically skinned rabbit psoas fibers. *J Muscle Res Cell Mot* 6:313-332, 1985.
- Kessin, RH and Franke, J: The secreted adenylate cyclase of *Bordetella pertussis*: calmodulin requirements and partial purification of the two forms. *Journal of Bacteriology* 166, 290-296, 1986.
- Krieger, DT, Gibosn, MJ, Zimmerman, EA, Feien, M, Charlton, HM, Silverman, AJ and Zimmerman, EA: Correction of genetic gonadotropin-releasing hormone deficiency by grafts of fetal preoptic area tissue. In: *Neural Grafting in the Mammalian CNS*. A. Bjorklund and U. Stenevi, ed., Elsevier, pp. 645-653.
- Lehman, MN, Robinson, JE, Karsch, FJ and Silverman, AJ: Immunocytochemical localization of LHRH in the sheep brain during anestrus and the mid-luteal phase of the estrous cycle. *J Comp Neurol* 244:19-36, 1986.
- Levitt, P, Maxwell, GD, and Pintar, JE: Specific cellular expression of monoamine oxidase B during early stages of quail embryogenesis. *Develop Biol* 110:346-361, 1985.
- Liu, KP, Gershon, MD and Tamir, H: Identification, purification and characterization of two forms of serotonin binding protein from rat brain. *J Neurochem* 44:1289-1301, 1985.
- Mawe, GM and Gershon, MD: Functional heterogeneity in the myenteric plexus: demonstration using cytochrome oxidase as a verified cytochemical probe of the activity of individual enteric neurons. *J Comp Neurol* 249:381-391, 1986.
- Moss, ML: The functional matrix hypothesis and epigenetics. *Physiologic Principals of Functional Appliances* In: T.M. Garber, ed., C.V. Mosby, St. Louis, Ch. 2, 1985.
- Moss, ML: The application of the finite element method to the analysis of craniofacial growth and form. *Acta Morph Neerlando-Scand.*, 23:337-356, 1985.
- Newer analytical models of craniofacial growth. *Acta Leopoldina N. F.*, 58:17-25, 1986.
- The application of the finite element method to the analysis of cephalic growth. IV Int'l. Congress of Auxology (Ed. A Demerjian), Taylor and Francis, London, 12:127-140, 1986.
- Moss, ML, Moss-Salentijn and Skalak, R: Finite element modeling of craniofacial growth and development. In: (L. Graber, ed.), *Orthodontics: Stepping stones to the future*. C.V. Mosby, St. Louis, 143-168, 1986.
- Moss, ML and Skalak, R: Analysis of form and growth by finite element. In: N. A. Tangrana, ed., *Adv. in Bioengineering*; ASME, 1-2, 1985.
- Nunez, EA, Payette, R and Gershon, MD: The bat pituitary cleft: phasic production and release of secretory granules by living microvillous cells. *Anat Rec* 213:176-181, 1985.
- Oldfield, BJ and Silverman, AJ: A light microscopic IIRP study of limbic projections to the vasopressin-containing nuclear groups of the hypothalamus. *Brain Res Bull* 14:143-157, 1985.
- Oldfield, BJ, Hou-Yu, A and Silverman, AJ: A combined electron microscopic IIRP and immunocytochemical study of the limbic projections to rat hypothalamic nuclei containing vasopressin and oxytocin neurons. *J Comp Neurol* 231:221-231, 1985.
- Payette, RF, Gershon, MD, Nunez, EA: Serotonergic elements of the mammalian pituitary. *Endocrinology* 116:1933-1942, 1985.
- Serotonergic elements of the mammalian pituitary. *Endocrinology*, 116:1933-1942, 1985.
- Colocalization of luteinizing hormone and serotonin in secretory granules of mammalian gonadotrophs. *Anat Rec* 215:51-58, 1986.
- Podgorski, G, Franke, J, Kessin, RH: Isolation of a cDNA encoding a portion of the extracellular cyclic nucleotide phosphodiesterase of *D. discoideum*. *J Gen Microbil* 132, 1043, 1986.

- Podgorski, G, Franke, J, Lacombe, ML and Kessin, RH: Regulation of the cyclic nucleotide phosphodiesterase of dictyostelium discoidum. In: Molecular approaches to developmental biology. UCLA symposia on molecular and cellular biology, New series, Volume 51 editors, Richard A. Firtel and Eric H. Davidson, Alan R. Liss, Inc., New York, NY, 1986.
- Role, LW, Matossian, V, O'Brien, RJ and Fischbach, GD: On the mechanism of ACh receptor accumulation at newly formed synapses on chick myotubes. *J Neuroscience* 5:2197-2204, 1985.
- Rothman, TP, Sherman, D, Cochard, P and Gershon, MD: Development of the monoaminergic innervation of the avian gut: Transient and permanent expression of phenotype markers. *Dev Biol* 116:357-380, 1986.
- Rothman, TP, Tennyson, VM and Gershon, MD: Colonization of the bowel of the precursors of enteric glia: studies of normal and congenitally aganglionic mutant mice. *J Comp Neurol* 252:493,506, 1986.
- Silverman, AJ and Witkin, JW: Synaptic interactions of LHRH neurons in the guinea pig preoptic area. *J Histochem Cytochem* 33:66-70, 1985.
- Silverman, AJ: Ultrastructural analysis of the synaptic input to neurosecretory neurons. Special Address Japanese Histochemical Society. *Acta Histochem Cytochem* 17:685-686, 1985.
- Silverman, AJ, Zimmerman, EA, Gibson, MJ, Perlow, MJ, Charlton, HM, Kokoris, GJ and Krieger, DT: Implantation of normal fetal preoptic area into hypogonadal (hpg) mice: temporal relationships of the growth of GnRH neurons and the development of the pituitary/testicular axis. *Neuroscience* 16:69-85, 1985.
- Silverman, AJ, Oldfield, BJ, Hou-Yu, A, Zimmerman, EA: The noradrenergic innervation of vasopressin neurons in the paraventricular nucleus of the hypothalamus. *Brain Res* 325:215-229, 1985.
- Silverman, AJ, Zimmerman, EA, Kokoris, GJ and Gibson, MJ: Ultrastructure of GnRH neuronal structures derived from normal fetal preoptic area and transplanted into hypogonadal mice. *J Neuroscience* 6:2090-2096, 1986.
- Skalak, H, Patel, Sen, K and Moss-Salentijn: Finite element modeling of craniofacial growth. *Am J Orthod* 87:453-472, 1985.
- Takaki, M, Branchek, T, Tamir, H and Gershon, MD: Specific antagonism of enteric neural serotonin receptors by dipeptides of 5-hydroxytryptophan: evidence that serotonin is a mediator of slow synaptic excitation in the myenteric plexus. *J Neuroscience* 5:1769-1780, 1985.
- Takaki, M, Mawe, GM, Barasch, JM and Gershon, MD: Physiological responses of guinea-pig myenteric neurons secondary to the release of endogenous serotonin by tryptamine. *Neuroscience* 16:223-241, 1985.
- Takaki, M, Wood, JD and Gershon, MD: Heterogeneity of ganglia of the guinea pig myenteric plexus. An in vitro study of the origin of terminals within single ganglia using a covalently bound fluorescence retrograde tracer. *J Comp Neurol* 235:488-502, 1985.
- Tamir, H, Payette, RF, Huang, YL, Liu, KP and Gershon, MD: Human serotonectin: a blood glycoprotein that binds serotonin and is associated with platelets and white blood cells. *J Cell Science* 73:187-206, 1985.
- Tennyson, VM, Hou-Yu, A, Nilaver, G and Zimmerman, EA: Immunocytochemical studies of vasotocin and mesotocin in the hypothalamo-hypophyseal system of the chicken. *Cell Tissue Res* 239:279-291, 1985.
- Tennyson, VM, Nilaver, G, Hou-Yu, A, Valiquette, G and Zimmerman, EA: Immunocytochemical study of the development of vasotocin/mesotocin in the hypothalamo-hypophyseal system of the chick embryo. *Cell Tissue Res* 243:15-31, 1986.
- Tennyson, VM, Pham, TD, Rothman, TP and Gershon, MD: Abnormalities of smooth muscle, basal laminae, and nerves in the aganglionic segments of the bowel of lethal spotted mutant mice. *Anat Rec* 215:267-281, 1986.
- Abnormalities of smooth muscle, basal laminae, and nerves in the aganglionic segments of the bowel of lethal spotted mutant mice. *Anat Rec* 215:267-281, 1986.
- Vilmann, H and Moss, ML: Studies on Orthocephalization, 8. Behavior of the visceral part of the rat head in the period between 7 and 60 days after gestation. *Gegen B Morph JB* 131:329-335, 1985.
- Witkin, JW and Silverman, AJ: Ultrastructure of LHRH neurons in the rat preoptic area. *Peptides*, 6:263-271, 1985.

- Amadio JB, Berdon WE, Abramson SJ, Sang Oh, Oudjhane K, Wung JT: Retrocardiac pneumomediastinum in association with tracheal and esophageal perforations. *Ped Radiol* 16:380, 1986.
- Askanazi J, Hensle TW, Starker PA, LaSala PM, Lockhart S, Olsson C, Kinney JM: Effect of immediate postoperative nutritional support on length of hospitalization. *Ann Surg* 203:236-239, 1986.
- Bateman D, Wung JT, James LS: Management of the newborn infant at delivery. In *Current Pediatric Therapy*. SS Gellis, BM Kagan (eds), W.B. Saunders Co, Phila., 1986.
- Barst M, Mullane K: Release of a leukotriene D₄-like substance during myocardial infarction in rabbit. *Eur J Pharmacol* 114:383-387, 1985.
- Bendixen HH, Duberman SM: The concept of fail-safe monitoring. *Seminars in Anesthesia* 5:253-257, 1986.
- Clark WC, Carroll J, Ferrer-Brechner T, Yang JC: The sensory and emotional dimensions of global pain in cancer patients and healthy volunteers. *Am Pain Soc*, p 64, 1985. (Abstract)
- Clark WC, Janal MN, Carroll J, Yang JC: KYST analysis using correlations between items on the MPQ as a measure of distance: A 4th dimensional solution. *Am Pain Soc*, 1986. (Abstract)
- Clark WC, Yang JC, Carroll J, Janal MN: Multidimensional scaling reveals two dimensions of thermal pain. *J Exp Psychol* 12:103-107, 1986.
- Clark WC, Yang JC, Janal MN: Altered pain and visual sensitivity in humans: The effects of acute and chronic stress. *Ann NY Acad Sci* 467:116-129, 1986.
- Cundey K, Dell R, Askanazi J: Influence of intralipid and liposyn on serum cholesterol and postheparin lipases. *Fed Proc* 45(3): 586, 1986. (Abstract)
- Damask MC, Weissman C, Barth A, Todd G, Askanazi J, Rosenbaum SH: General vs epidural—which is the better anesthetic technique for femoral-popliteal bypass surgery? *Anesth Analg* 65:S39, 1986. (Abstract)
- Daniel SS, James LS, Stark RI, Tropper PJ, Wiseman G: Effect of chronic maternal hypovolemia on the fetus. *Ped Res* 20:214A, 1986. (Abstract)
- Daniel SS, Stark RI, Zubrow AB, Tropper PJ, James LS: Vasopressin and plasma renin activity following disturbances in blood pressure, osmolality and/or blood volume in the fetus. In *Physiological Development of the Fetus and Newborn*. CT Jones, PW Nathanielsz (eds), Academic Press, London, pp 532-536, 1985.
- Desoize B, Nahas GG, Latour C, Vistelle R: In vivo inhibition of enterocyte metabolism by delta-9-tetrahydrocannabinol. *Proc Soc Exp Biol Med* 181:512-516, 1986.
- Duberman SM, Bendixen HH: Mortality, morbidity and risk studies in anaesthesia. In *Epidemiology in Anaesthesia*. JN Lunn (ed), Edward Arnold Ltd, London, pp 37-73, 1986.
- Duberman SM, Wald A: An integrated quality control program for anesthesia equipment. In *Risk Management and Quality Assurance*. Joint Commission on Accreditation of Hospitals, Chicago, pp 105-112, 1986.
- Dworkin RH, Goldfinger S: Processing bias: Individual differences in the cognition of situations. *J Personality* 53:480-501, 1985.
- Dworkin RH, Hoben E, Brand L, Rosner HL: Is scoring the SCL-90 necessary with chronic pain patients? *Am Psychological Assoc* LA, CA, 1985.
- Dworkin RH, Richlin DM, Handlin DS, Brand L: Predicting treatment response in depressed and non-depressed chronic pain patients. *Pain* 24:343-353, 1986.
- Finster M: Anesthetic considerations in preeclampsia/eclampsia. *ASA Ann Refr Course Lect* 162:1-4, 1985.
- Choice of Local Anesthetics in obstetrics. *Abstr Papers 4^e Journée de Mises au point en Anesthésia-Reanimation*. Y. Noviant, J. Langlois (eds), Paris, pp 253-263, 1985.
- Schwangerschafts hypertonie: Anaesthesiologisch-Geburtshilfliche Auswirkungen, *Anesthésie in Der Geburtshilfe III*. E. Alon (ed), Yuris Druck u. Verlag AG, pp 35-41, 1985.
- Finster M, Eskes TKAB (eds), *Drug Therapy During Pregnancy*. Butterworth's, London, 1986.
- Gil KM, Askanazi J, Weissman C, Elwyn DH, Kinney JM: Energy expenditure following infusions of glucose base parenteral nutrition. *JPEN* 10:125, 1986. (Abstract)
- Gil K, Furst PF, Wood J, Askanazi J, Elwyn DH, Kinney JM: Muscle and plasma amino acids during semi-starvation in normal subjects: Hypocaloric glucose vs amino acid infusions. *Clin Nutrition* 4:21-27, 1985.
- Gil KM, Gump FE, Starker PM, Askanazi J, Elwyn DH, Kinney JM: Splanchnic substrate balance in malnourished patients during parenteral nutrition. *Am J Physiol* 248:E409-E419, 1985.
- Goldstein SA, Askanazi J, Thomashow B, Weissman C, Hyman AI, Kinney JM: Metabolic demand, ventilation and muscle function during repletion of malnourished COPD and surgical patients. *Anesthesiology* 63:A276, 1985 (Abstract)
- Goldstein SA, Askanazi J, Weissman C, Elwyn DH, Kinney JM: N balance during nutritional support in malnourished COPD patients. *JPEN* 10:165, 1986. (Abstract)
- Goldstein SA, Weissman C, Askanazi J, Thomashow B, Kinney JM: Functional improvements in malnourished COPD patients during refeeding. *JPEN* 9:104, 1985. (Abstract)
- Goldstein SA, Weissman C, Askanazi J, Thomashow B, Rosenbaum SH, Bendixen HH, Kinney JM: Ventilatory patterns and functional changes during refeeding patients with COPD and weight loss. *Am Rev Resp Dis* 131 (Suppl):A60, 1985. (Abstract)
- Grant GP, Mansell AL, Graziano JH, mellins RB: The effect of transfusion on lung capacity, diffusing capacity and arterial oxygen saturation in patients with thalassemia major. *Ped Res* 20:20-23, 1986.
- Hoben E, Dworkin RH, Brand L, Rosner HL: Coping strategies in chronic pain patients. *Am Psychological Assoc*, LA, CA 1985.
- Insel J, Weissman C, Kemper M, Askanazi J, Hyman AI: Cardiovascular changes during transport in the immediate postoperative period. *Crit Care Med* 14:539-542, 1986.
- Janal MN, Clark WC, Carroll DJ, Yang C: A multiariate analysis of category rating scales mapped into a 3-dimensional pain space. *Am Pain Soc*, 1986. (Abstract)
- Keim HA, Hajdu M, Gonzalez EG, Brand L, Balasubramanian E: Somatosensory evoked potentials as an aid in the diagnosis and intraoperative management of spinal stenosis. *Spine* 10:328-344, 1985.
- Kemper MS, Weissman C, Askanazi J, Hyman AI, Kinney JM: Change in oxygen consumption and carbon dioxide production as a predictor for successful extubation. *Crit Care Med* 14:373, 1986. (Abstract)
- Fluctuations in daily metabolic rate of surgical postoperative patients. *Resp Care* 30:864, 1985. (Abstract)
- Kilchevsky ES, Wung JT: Pancuronium risks. *Pediatrics* 70:653, 1985.
- Larsen R, Maurer I, Khambatta H: Wirkungen von isofluran und enfluran auf hirndurchblutung, autoregulation, CO₂-reaktivitat und sauerstoff aufnahme. *Anaesthesist* 35:134, 1986. (Abstract)
- Lev-Ran A, Johnson M, Askazazi J, Weissman C, Gersovitz M: Postoperative nutritional support using procalamine in insulin-requiring diabetic patients. *JPEN* 10:55, 1986. (Abstract)
- Matteo RS: Use in the elderly. In *Clinics in Anaesthesiology, "Neuromuscular Blockade," Vol 3*, J Norman (Ed), pp 421-434, 1985.
- Matteo RS, Ornstein E, Young WL, Schwartz A, Port M, Chang W: Pharmacokinetics of sufentanil in the elderly. *Anesth Analg* 65:S94, 1986. (Abstract)

- Michelsen CB, Askanazi J: Nutritional support in injury. *J Bone and Joint Surg* 68-A:782-78, 1986.
- Moberg RS, Young WL: Spectral coherence as a measure of EEG change during cerebral ischemia. *J Clin Monitoring* 1:285-286, 1985. (Abstract)
- Moessinger AC, Fewell JE, Stark RI, Collings MH, Daniel SS, Singh M, Blanc WA, Kleinerman J, James LS: Lung hypoplasia and breathing movements following oligohydramnios in fetal lambs. In *Physiological Development of the Fetus and Newborn*. CT Jones, PW Nathanielsz (eds), Academic Press, London, pp 293-298, 1985.
- Morishima HO: Placental transfer and effects of anesthetics and related drugs on the fetus. In *Anesthesiology Q & A* 104. K Okada, K Numata (eds), Kanehara, Tokyo, pp 294-298, 1986.
- Placental transfer of drugs. In *Anesthesiology Q & A* 138. K Okada, K Numata (eds), Kanehara, Tokyo, pp 290-291, 1985.
- Morishima HO, Pedersen H, Finster M, Arthur GR, Covino BG: Bupivacaine cardiotoxicity is related to increase in brain sensitivity. In reply: *Anesthesiology* 65:346-347, 1986.
- Morishima HO, Pedersen H, Finster M, Hiraoka H, Tsuji A, Feldman HS, Arthur GR, Covino BG: Bupivacaine toxicity in pregnant and nonpregnant ewes. *Anesthesiology* 63:134-139, 1985.
- Morishima HO, Pedersen H, Santos A, Finster M, Arthur GR: Pharmacodynamics of lidocaine in the asphyxiated preterm fetal lamb. *Anesthesiology* 65:A732, 1986. (Abstract)
- Nahas GG: Cannabis: toxicological properties and epidemiological aspects. *Med J Australia* 145:82-87, 1986.
- Critique of a study on ganja in Jamaica. *Bull Narcotics* 37:15-29, 1985.
- Nahas GG, Fernet P, Boussin G, Dumay-Fossat F, Roche H, Carton M: La distribution de la consommation de cigarettes de tabac chez l'homme et la femme de 15 a 65 ans en 1984. *Bull Acad Natle Med* 170:201-206, 1986.
- Nahas GG, Frick HC: Developmental effects of cannabis. *Neurotoxicology* 7:381-396, 1986.
- Nahas GG, Frick HC, Gleaton T, Schuchard K, Moulton O: A drug policy for our times. *Bull Narcotics* 38:3-14, 1986.
- Nahas GG, Trouve R: Effects and interactions of natural cannabinoids on the isolated heart. *Fed Proc Exp Biol Med* 180:312-316, 1985.
- Nahas GG, Trouve R, Maillet M: Prevention de la cardiotoxicite de la cocaine par un bloqueur du Ca^{2+} . *Bull Acad Natle Med* 169:1151-1155, 1985.
- Ornstein E, Matteo R, Silverberg P, Schwartz A, Young WL: Dose-response relationship for vecuronium in the presence of chronic phenytoin therapy. *Anesth Analg* 65:S116, 1986. (Abstract)
- Ornstein E, Matteo R, Silverberg P, Schwartz A, Young W, Diaz J: Chronic phenytoin therapy and nondepolarizing neuromuscular blockade. *Anesthesiology* 63:A331, 1985. (Abstract)
- Ornstein E, Matteo RS, Young WL: Resistance to metocurine induced neuromuscular blockade in patients receiving chronic phenytoin therapy. *Anesthesiology* 63:294-298, 1985.
- Ornstein E, Matteo R, Young W, Diaz J: Resistance to metocurine induced neuromuscular blockade in patients receiving phenytoin. *Anesthesiology* 63:294-298, 1985.
- Pantuck EJ, Pantuck CB, Weissman C, Gil KM, Askanazi J: Stimulation of oxidative drug metabolism by parenteral refeeding of nutritionally depleted patients. *Gastroenterology* 89:241-245, 1985.
- Pedersen H: Effects of anaesthesia on uteroplacental blood flow. In *Lectures in Anaesthesiology*. JSM Zorab (ed), Blackwell Scientific Publications, Oxford, pp 27-39, 1986.
- Pedersen H, Morishima HO, Finster M: Anesthesia during pregnancy and parturition. In *Drug Therapy during Pregnancy: Effects on Mother, Fetus and Newborn*. TKAB Eskes, M Finster (eds), Butterworth's, London, pp 161-182, 1986.
- Rodriguez JL, Askanazi J, Weissman C, Hensle TW, Rosenbaum SH, Kinney JM: Ventilatory and metabolic effects of glucose infusions. *Chest* 88:512-518, 1985.
- Rodriguez JL, Bruyns J, Askanazi J, DiMauro W, Bordley J, Elwyn DH, Kinney JM: Carnitine metabolism during fasting in dogs. *Surgery* 99:684-687, 1986.
- Rosner HL, Yerby J, Brand L: Herpes zoster; can we alter the outcome? *J Pain and Sym Manag* 1(3):168-170, 1986.
- Santos AC, Finster M, Pedersen H, Morishima HO: Perinatal pharmacology of anesthetic agents. In *Clinics in Anesthesiology*, Vol 4, No 1. GW Ostheimer (ed), WB Saunders Co., London, pp 67-79, 1986.
- Santos A, Morishima HO, Pedersen H, Finster M, Balkon J: Pharmacodynamics of methohexital in the mature nonasphyxiated fetal lamb. *Anesthesiology* 65:A389, 1986. (Abstract)
- Santos A, Morishima HO, Pedersen H, Finster M, Covino BG: Does pregnancy alter mepivacaine toxicity? *Anesthesiology* 65:A373, 1986. (Abstract)
- Santos A, Pedersen H: Anesthetic considerations in burn victims. In *Clinical Anesthesiology*. DCC Stark (ed), Nassau Publications 2(20), pp 2-8, 1985.
- Shaw SN, Hensle TW, Gil KM, Elwyn DH, Askanazi J, Kinney JM: Methods of estimating total nitrogen excretion. *JPEN* 9:109, 1985. (Abstract)
- Shayevitz JR, Matteo RS: Decreased sensitivity to metocurine in patients with upper motoneuron disease. *Anesth Analg* 64:767-772, 1985.
- Silberberg P, Matteo R, Ornstein E, Young WL, Diaz JK: Pharmacokinetics and pharmacodynamics of edrophonium in the elderly. *Anesth Analg* 65:S142, 1986. (Abstract)
- Sonntag H, Hillige G, Khambatta H: Messmethoden und messgenauigkeit verschiedener techniken in koronarsinus. *Anaesthesist* 35:148, 1986. (Abstract)
- Stark RI, Wardlaw SL, Daniel SS, Newman CB, Smeal MM, James LS: Proopiomelanocortin derived peptides in fetal plasma. In *Physiological Development of the Fetus and Newborn*. CT Jones, PW Nathanielsz (eds), Academic Press, London, pp 167-171, 1985.
- Starker PM, LaSala PA, Forse RA, Askanazi J, Elwyn DH, Kinney JM: Response to total parenteral nutrition in the extremely malnourished patient. *JPEN* 9:300-302, 1985.
- Starker PM, LaSala PA, Askanazi J, Todd G, Hensle TW, Kinney JM: The influence of preoperative TPN on morbidity and mortality. *Surg Gyn Obstet* 162:529-579, 1986.
- Stephan H, Sonntag H, Khambatta H, Strube J, Kettler D: Myokardstoffwechsel unter dem einfluss von diprian bei patienten mit koronarer herzkrankheit. *Anaesthesist* 35:136, 1986. (Abstract)
- Stone JG: Assessment of cardiac performance. *NYSSA Postgraduate Assembly in Anesthesiology* 39:295, 1985. (Abstract)
- Stone JC, Foex P, Sear J, Johnson LL, Khambatta H, Triner L: Mild hypertension, Anesthetic stress and myocardial ischaemia. VII Eur Congress Anaesthesiology, Vienna, Beitr Anaesth u Intensivmed 16:133, 1986. (Abstract)
- Takala J, Askanazi J, Weissman C, LaSala PA, Kinney JM: Branched chain amino acids and respiration. *Anesthesiology* 63:A277, 1985. (Abstract)
- Tamuara M, Kawano T, Fitz-James I, Bryan AC: High-frequency oscillatory ventilation and pulmonary extravascular water. *Anesth Analg* 64:1041-1046, 1985.
- Triner L, Gubernikoff G, Sherman J, Bernstein KJ: Metyrosine: Catecholamine metabolism and cardiovascular stability in pheochromocytoma patients. (Abstract)

- Trouve R, Nahas GG: Cardiac dynamics of the Langendorff perfused heart. *Proc Soc Exp Biol Med* 180:303-311, 1985.
- Van de Wiele B, Askanazi J, Starker PM, Elwyn DH, Kinney JM: Effects of parenteral nutrition on injury induced alterations in body composition. *Anesthesiology* 63:130, 1985. (Abstract)
- Vullemoz Y, Verosky M, Triner L: Effect of halothane on myocardial cAMP and cGMP content of mice. *J Pharmacol Exp Therap* 236:181-186, 1986.
- Wald A: Certainty and uncertainty. *IEEE Engng Med Biol* 5(2):2, 1986. (Editorial)
- The loners. *IEEE Engng Med Biol* 5(1):2, 1986. (Editorial)
- Once in a lifetime: Clinical engineering in a new hospital. *IEEE Trans Biomed Engng*, 32:874, 1985. (Abstract)
- Once in a lifetime: Engineering a new hospital. *Proc IEEE/Seventh Ann Conf of the Engng in Med and Biol Soc* 253-255, 1985.
- Tender loving care. *IEEE Engng Med Biol* 4(3):2, 1985. (Editorial)
- The ostrich looks up. *IEEE Engng Med Biol* 4(4):2, 1985. (Editorial)
- Weissman C, Askanazi J, Forse RA, Hyman AI, Milic-Emili J, Kinney JM: The metabolic and ventilatory response to the infusion of stress hormones. *Ann Surg* 203:408-412, 1986.
- Weissman C, Askanazi J, Forse RA, Hyman AI, Rosenbaum SH, Kinney JM: The respiratory response to infusion of stress hormones. *Anesthesiology* 63:A511, 1985. (Abstract)
- Weissman C, Askanazi J, Rosenbaum SH, Damask MC, Hyman AI, Kinney JM: The response to tubular airway resistance in normal subjects and postoperative patients. *Anesthesiology* 64:353-358, 1986.
- Weissman C, Damask M, Rosenbaum SH, Askanazi J, Kinney JM: Evaluation of a noninvasive method for the measurement of metabolic rate in humans. *Clin Sci* 69:135-141, 1985.
- Weissman C, Goldstein S, Askanazi J, Rosenbaum SH, Milic-Emili J, Kinney JM: Semistarvation and exercise. *J Appl Physiol* 60:2035-2049, 1986.
- Weissman C, Kemper MS, Askanazi J, Hyman AI, Kinney JM: Day to day variation in the resting metabolic rate of mechanically ventilated critically ill patients. *Crit Care Med* 14:408, 1986. (Abstract)
- The resting metabolic rate of the critically ill patient: Measured vs. predicted. *Anesthesiology* 64:673-679, 1986.
- Weissman C, Kemper M, Damask MC, Askanazi J, Hyman AI, Kinney JM: metabolic rate in the postoperative critical care patient. *Crit Care Med* 13:280, 1985. (Abstract)
- Weissman C, Kemper M, Elwyn DH, Askanazi J, Hyman AI, Kinney JM: Substrate utilization in the critically ill patient. *Anesthesiology* 63:A129, 1985. (Abstract)
- The energy expenditure of the mechanically ventilated critically ill patient. An analysis. *Chest* 89:254-259, 1986.
- Wung JT, James LS, Kilchevsky ES, James E: Management of infants with severe respiratory failure and persistence of the fetal circulation without hyperventilation. *Pediatrics* 70:488, 1985.
- Yang JC, Clark WC: Psychological distress in patients suffering chronic pain, surgical candidates and healthy volunteers. *Am Pain Soc*, p 63, 1985. (Abstract)
- Yang JC, Richlin D, Brand L, Wagner J, Clark WC: Thermal sensory decision theory indices and pain threshold in chronic pain patients and healthy volunteers. *Psychosom Med* 47:461-468, 1985.
- Young W, Ornstein E, Silverberg P, Matteo R, Pedley T, Ramsey M, Moberg R: EEG monitoring for ischemia. *Anesthesiology* 63:A197, 1985. (Abstract)

- Abbot Sd, Docherty K, Roberts JL, Tepper MA, Chin WW, Clayton RN: Castration increased luteinizing hormone subunit messenger RNA levels in male rat pituitaries. *J Endocrinology* 107, 1985.
- Alt F: Antibody diversity, a new mechanism revealed. *Nature* 322:772-773, 1986.
- Alt FW, Blackwell TK, DePinho R, Reth MG, Yancopoulos G: Regulation of genome rearrangement events during lymphocyte differentiation. *Immunological Reviews* 89:5-30, 1986.
- Anderson DJ, Stein R, and Axel R: Gene expression in differentiating and transdifferentiating neural crest cells. In: Cold Spring Harbor Symp Quant Biol, Molecular Biology of Development 50:855-863, 1985.
- Argarana CE, Kuntz ID, Birken S, Axel R, and Cantor CR: Molecular cloning and nucleotide sequence of the streptavidin gene. *Nucleic Acids Res.* 14:1871-1882, 1986.
- Arnone A, Rogers PH, Benesch RE, Benesch R, Kwong S: The interaction of folylpolyglutamates with deoxyhemoglobin. *J Biol Chem* 261:5853-5857, 1986.
- Banerjee R, Grunberger D: Enhanced expression of the bacterial chloramphenicol acetyltransferase gene in mouse cells cotransfected with synthetic polynucleotides able to form Z-DNA. *Proc Natl Acad Sci USA* 83:4988-4992, 1986.
- Bank I, DePinho R, Brenner M, Cassimeris J, Alt F, and Chess L: A functional T3 molecule associated with a novel heterodimer on the surface of immature human thymocytes. *Nature* 322:179-181, 1986.
- Benesch R, Kwong S, Benesch RE, Sirotiak FM, Nair MG: Binding of some antifolates to oxy and deoxyhemoglobin. *Blood*, 66: Suppl. A, 232a, 1985.
- Benesch RE, Benesch R, Kwong S, McCord JM: Binding of diphosphoglycerate and ATP to oxyhemoglobin dimers. *J Mol Biol* 190:481-485, 1986.
- Benesch RE, Kwong S, Benesch R, Baugh CM: The binding of folyl- and antifolylpolyglutamates to hemoglobin. *J Biol Chem* 260:14653-14658, 1985.
The interaction of methotrexate polyglutamate with hemoglobin. In: Proceedings of the second workshop on folyl and antifolyl polyglutamate, Goldman ID, editor. 374-385, Prager, 1985.
- Benezra R, Cantor CR, and Axel R: Nucleosomes are phased along the mouse beta-major globin gene in erythroid and non-erythroid cells. *Cell* 44:697-704, 1986.
- Bona C, Victor-Kobrin C, Manheimer A, Legrain P, Buttin G, Yancopoulos G Alt, F: Genetic and molecular aspects of regulatory idiotopes. In: Monoclonal Antibodies 84: Biological and Clinical Application, Aldo Pinchera, Gino Doria, Franco Dammacco, Antonio Bregellesi, Eds. Editrice Kurtis, Milano 55-75, 1985.
- Bressman S, Fahn S, Eisenberg MA, Brin M, and Maltese W: Biotin response in encephalopathy with myoclonus, ataxia and seizures. *Adv in Neurol* 43:119, 1985.
- Burnett RM, Grutter MG, and White JL: The structure of the adenovirus capsid. I. An envelope model of hexon at 6 Å resolution. *J Mol Biol* 185:105-123, 1985.
- Burnett RM, The structure of the adenovirus capsid. II. The packing symmetry of hexon and its implications for viral architecture. *J Mol Biol* 185:125-143, 1985.
Structural investigations on hexon, the major coat protein of adenovirus. In Biological Macromolecules and Assemblies, A McPherson, FA Jurnak, eds. Vol 1, Virus Structures pp 337-385, Wiley NY, 1984.
- Burnett RM, van Oostrum J, Roberts MM: Progress in understanding adenovirus architecture. *Biophys J* 49:22-24, 1984.
- Calof A, Jessell TM: Use of a retrovirus vector to transfer and express a foreign gene in murine neurons and neural ectoderm. *Soc Neurosci Abstracts* 12:183, 1986.
- Carothers AM, Urlaub G, Steigerwalt RW, Chasin LA, Grunberger D: Characterization of mutations induced by 2-(N-acetoxy-N-acetylaminio) fluorene in the dihydrofolate reductase gene of cultured hamster cells. *Proc Natl Acad Sci USA* 83:6519-6523, 1986.
- Cascio M, Mielke DL, and Wallace BA: Membrane protein secondary structure predictions: an evaluation. *Biophysical J* 49:293a, 1986.
- Cascio M, Wallace BA: Conformational studies of alamethicin in lipid vesicles. *Biophysical J* 47:173a, 1985.
- Cayanis E, Rajagopalan R, Cleveland WL, Edelman IS, Erlanger BF: Generation of an auto-antibiotypic antibody that binds to glucocorticoid receptor. *J Biol Chem* 261:5094-5103, 1986.
- Colicelli J and Goff SP: Structure of a cloned circular retroviral DNA containing a tRNA sequence between the terminal repeats. *J Virol* 57:674-677, 1986.
Isolation of a recombinant murine leukemia virus utilizing a new primer tRNA. *J Virol* 57:37-45, 1986.
- Csermely I, Katopis C, Papp S, Wallace BA and Martinosi A: The E1 to E2 transition of Ca-ATPase in sarcoplasmic reticulum occurs without major net changes in secondary structures. *Biophysical J* 49:562a, 1986.
- Dagleish AG, Maddon PJ, Littman DR, Clapham PR, Godfrey M, Chess L, Weiss RA, McDougal JS, and Axel, R: T4: A T cell surface protein mediating cell-cell and cell-AIDS virus interactions. In: Proceedings of the 4th Annual Smith, Kline & French Symposium, 1986.
- DePinho RA, Legouy E, Feldman LB, Kohl NE, Yancopoulos G, Alt FW: structure and expression of the murine N-Myc gene. *Proc Natl Acad Sci* 83:1827-1831, 1986.
- DiNolfo T, and Wallace BA: Structure/Function relationships in detergent-solubilized Na/K-ATPase. *Ann NY Acad Sci* 463:375-380, 1986.
- DiNolfo T, Gresalfi TJ, and Wallace BA: Ligand-induced changes membrane-bound and solubilized forms of Na, K-ATPase. In: The Sodium Pump. Glynn IM, and Ellory JC, eds. pp 63-72, 1985.
- DiPaola M, Kao PN, Karlin A: Residues at the acetylcholine binding site and at a noncompetitive inhibitor binding site may be contained in a single functional domain of the receptor alpha subunit. *Soc Neurosci Abstr* 12:961, 1986.
- Dodd J, Jessell TM: Cell surface glyconjugates and carbohydrate-binding proteins: possible recognition signals in sensory neuron development. *J Exp Biol* 124:225-238, 1986.
- Drickamer K, Dordal MS, and Reynolds L: Mannose-binding proteins isolated from rat liver contain carbohydrate-recognition domains linked to collagenous tails: complete primary structures and homology with pulmonary surfactant apoprotein. *J Biol Chem* 261:6878-6887, 1986.
- Edelman IS, Pressley TA, Hiatt A: Regulation of mammalian Na, K-ATPase. In: The Sodium Pump. The Company of Biologists Limited (Dept. of Zoology) 153-159, 1985.
- Eisenberg MA: Regulation of the biotin operon. *Annals of NY Acad Sci* 447:335, 1985.
- Gilson M, Honig B: The dielectric constant of a folded protein. *Biopolymers* 25:2097-2119, 1986.
- Glucksman M, Hay D, and Makowski L: Design of a high-field permanent magnet for X-ray diffraction from magnetically oriented solutions. *Science* 231:1273-1276, 1986.
- Glucksman M. and Makowski L: Magnetically oriented solutions of filamentous bacteriophages studied by X-ray diffraction. *Annals NY Acad Sci* 463:381-383, 1986.
- Gregg V, Edelman IS: The response of an established line of rat liver cells to thyroid hormone. *Biochem Biophys Acta* 887:319-322, 1986.

- Hare D, Shapiro L, Patel DJ: Extrahelical adenosine stacks into right-handed DNA: Solution conformation of the D (CGCAGAGCTCGCG) duplex deduced from distance geometry analysis of nuclear Overhauser effect spectra. *Biochemistry* 25:7456-7464, 1986.
- Wobble dG, dt pairing in right-handed DNA: Solution conformation of D (CGTGAATTTCGCG) duplex deduced from distance geometry analysis of nuclear Overhauser effect spectra. *Biochemistry* 25:7445-7456, 1986.
- Hendrickson WA, Royer, Jr WE: Principles in the assembly of annealed erythrocytes. *Biophysical Journal* 49:177-189, 1986.
- Hendrickson WA, Smith JL, Sheriff S: Mobility and heterogeneity in protein structure as seen by diffraction. In: *Biomolecular Stereodynamics III*, RH Sarma and MH Sarma, eds 217-26, 1986.
- Hendrickson WA: Analysis of protein structure from diffraction measurements at multiple wavelengths. *Trans Amer Cryst Assn* 21:11-21, 1985.
- Anomalous scattering in protein crystallography. In: *Structural Biological Applications of X-ray Absorption Scattering and Diffraction*. (HD Bartunik, B Chance, eds) Academic Press pp 285-295, 1986.
- The 1985 nobel prize in chemistry. *Science* 231:362-364, 1986.
- X-ray diffraction methods for the analysis of metalloproteins. In: *Physical Methods for Inorganic Biochemistry* by JR Wright, WA Hendrickson, S Osaki, and GT James, Plenum Publishing Co, New York pp 215-259, 1986.
- Holland EC and Drickamer K: Signal recognition particle mediates the insertion of a transmembrane protein which has a cytoplasmic NH₂ terminus. *J Biol Chem* 261:1286-1292, 1986.
- Honig B, Hubbell W, Flewelling R: Electrostatic interactions in membranes and proteins. *Ann Rev Biophys & Biophys Chem* 15:163-193, 1986.
- Hseuh EC, Holland EC, Carrera GM, Jr, and Drickamer K: The rat liver asialoglycoprotein receptor polypeptide must be inserted into a microsome to achieve its active conformation. *J Biol Chem* 261:4940-4947, 1986.
- Isobe M, Huebner K, Maddon PJ, Littman DR, Axel R, and Croce GM. The gene encoding the T cell surface protein T4 is located on human chromosome 12. *Proc Natl Acad Sci USA* 83:4399-4402, 1986.
- Jahr CE, Jessell TM: Synaptic transmission between dorsal root ganglion and dorsal horn neurons in culture: Antagonism of monosynaptic epsp's and glutamate excitation by kynurenic acid. *J Neurosci* 5:2281-2289, 1985.
- Jessell TM, Dodd J: Synaptic transmitters and surface antigens of primary sensory neurons. In: *Neuropeptides in Neurologic and Psychiatric Disease*. Eds JB Martin and J Barchas. Raven Press pp 111-133, 1986.
- Jessell TM, Jahr CE: Synaptic interactions between dorsal root ganglion and dorsal horn neurons in cell culture: amino acids, nucleotides and peptides as possible fast and slow excitatory transmitters. In: *Fast and Slow Chemical Signalling in the Nervous System*. Eds LL Inversen and S Goodman. Oxford University Press pp 162-182, 1986.
- Jessell TM, Yoshika K, Jahr CE: Amino acid receptor-mediated transmission at primary afferent synapses in rat spinal cord. *J Exp Biol* 124:239-258, 1986.
- Kao PN, Karlin A: Acetylcholine receptor binding site contains a disulfide crosslink between adjacent half-cystinyl residues. *J Biol Chem* 261:8085-8088, 1986.
- Disulfide crosslink between adjacent half-cystinyl residues at the acetylcholine binding site. *Biophys J* 49:5a, 1986.
- Karlin A, Cox RN, DiPaola M, Holtzman E, Kao PN: Functional domains of the nicotinic acetylcholine receptor. In the Second Colloquium in Biological Sciences Ann NY Acad Sci 463:53-69, 1986.
- Karlin A, Kao PN, DiPaola M: Molecular pharmacology of the nicotinic acetylcholine receptor. *Trends Pharmacol Sci* 7:304-308, 1986.
- Kelsey JE, Watson SJ, Burks S, Akil H, Roberts JL: Characterization of a target of in situ hybridization. *J Neuroscience* 6:38-42, 1986.
- Klapper I, Hagstrom R, Fine R, Sharp K, Honig B: Focusing of electric fields in the active site of Cu-Zn superoxide dismutase: Effects of ionic strength and amino-acid modification. In: *Proteins: Structure, Function and Genetics*. 1:47-59, 1986.
- Klayman TR, Yulo T, Ashbaugh C, Landry D, Cragoe E, Karlin A, Al-Awqati Q: Photoaffinity labeling of the epithelial sodium channel. *J Biol Chem* 261:2839-2843, 1986.
- Kohl N, Legouy E, Gee C, Nisen P, DePinho R, Smith RK, Alt FW: The human N-myc gene is closely related in organization and nucleotide sequence to the c-myc gene. *Nature* 319:73-77.
- Leung JO, Holland EC, and Drickamer K: Characterization of the gene encoding the major rat liver asialoglycoprotein receptor. *J Biol Chem* 260:12523-12527, 1985.
- Maddon PJ, Dagleish AG, McDougal JS, Clapham PR, Weiss RA, and Axel R. The T4 gene encodes the AIDS virus receptor and is expressed in the immune system and the brain. *Cell* 47:333-348, 1986.
- Mahajna J, Oppenheim AB, Rattray A, and Gottesman M: Translation initiation of bacteriophage lambda gene cII 165:167-174, 1986.
- Makowski L: Cap junction structures: Comparison of X-ray diffraction data with data from electron microscopy of frozen hydrated specimens. *Proc 11th International Congress on Electron Microscopy*: 1286-1290, 1986.
- Propagation of phase errors during phase refinement and extension. *Acta Cryst* A42:253-256, 1986.
- McDougal JS, Maddon PJ, Dagleish AG, Clapham PR, Littman DR, Godfrey M, Maddon DE, Chess L, Weiss RA, and Axel R. The T4 glycoprotein is a cell surface receptor for the AIDS virus. In *Proceedings of the Cold Spring Harbor Symposium on the Molecular Biology of Homo Sapiens*, Vol 51, 1986.
- Mensink E, Schurman R, Schot A, Thompson A, Alt FW: Immunoglobulin heavy chain gene rearrangements in X-linked agammaglobulinemia. *Eur J Immunol* 16:963-967, 1986.
- Mielke D, Kaldany R-R, Karlin A, and Wallace BA: Nicotinic acetylcholine receptor: Secondary structure determined by circular dichroism spectroscopy. *Ann NY Acad Sci* 463:392-395, 1986.
- Millington WR, O'Donohue TL, Chappell MC, Roberts JL and Mueller GP: Coordinate regulation of peptide acetyltransferase activity and pro-opiomelanocortin gene expression in the intermediate lobe of the rat pituitary. *Endocrinology* 118:2024-2033, 1986.
- Monestier M, Manheimer-Lory A, Bellon B, Painter C, Dang H, Talal N, Zanetti M, Schwartz R, Pisetsky D, Kuppers R, Rose N, Brochier J, Klareskog L, Holmdahl R, Erlanger B, Alt F, Bona C: Shared idiotopes and restricted VH genes characterize murine autoantibodies of various specificities. *J Clin Invest* 78:753-759, 1986.
- Patel DJ, Shapiro L, Hare D: Conformation of the AATT segment of the d (GGAATTCC) duplex. *J Biol Chem* 261:1223-1229, 1986.
- Conformation of the TATA segment of the d (GGTATACC) duplex. *Biopolymers* 25:693-706, 1986.
- Patel DJ, Shapiro L, Kozlowski SA, Gaffney BL, Jones RA: Structural studies of O⁶meG.C interaction in the d [CGCGAATTC (O⁶meG) CG] duplex. *Biochemistry* 25:1027-1036, 1986.

- Structural studies of the O⁶meG. T interaction in the d [CGTGAATTC (O⁶meG) CG] duplex. *biochemistry* 25: 1036-1042, 1986.
- Structural studies of the O⁶meG.A and O⁶meG.G interactions in dodecanucleotide duplexes. *J Mol Biol* 188:677-692, 1986.
- Patel DJ, Shapiro L: Netropsin complex formation to the AATT site of the d (GGAATTCC) duplex. *J Biol Chem* 261:1230-1240, 1986.
- Netropsin complexation to the TATA site of the d (GGTATACC) duplex. *Biopolymers* 25:707-727, 1986.
- Pressley TA, Edelman IS: Reduced ouabain inhibition of Na, K-activated adenosine-triphosphatase in cultured cell recipients of the ouabain-resistance gene. *J Biol Chem* 261:9779-9786, 1986.
- Pressley TA, Haber RS, Loeb J, Edelman IS, Ismail-Beigi F: Stimulation of Na, K-activated adenosine triphosphatase and active transport by low external K⁺ in rat liver cell line. *J Gen Physiol* 87:591-606, 1986.
- Rashin A, Iofin M, Honig B: Interval cavities and buried waters in globular proteins. *Biochem* 25:3619-3625, 1986
- Regan LJ, Dodd J, Barondes SH, Jessell TM: Selective expression of endogenous lactose-binding lectins and lactoseries glycoconjugates in subsets of rat sensory neurons. *Proc Natl Acad Sci USA* 83:2258-2252, 1986.
- Reth M, Jackson S, Alt FW: V_H DJ_H formation and DJ_H replacement during pre-B differentiation: Non-random usage of gene segments. *EMBO Journal* 5:2131-2138, 1986.
- Roberts MM, White JL, Grutter MG, Burnett RM: Three-dimensional structure of the adenovirus major coat protein hexon. *Science* 232:1148-1151, 1986.
- Rodman HS, Wallace BA, Croteau A, and Honig BH: ¹³C NMR studies of bacteriorhodopsin: Experiment and theoretical methods for interpreting data. *Biophysical J* 47:92a, 1985.
- Specthrie L, Greenberg J, Glucksman M, and Makowski L: Structural transitions in filamentous bacteriophage Pfl. *Annals NY Acad Sci* 463:399-402, 1986.
- Spudich J, McCain D, Nakanishi N, Okabe M, Shimizu N, Rodman H, Honig B, Bogomolni R: Chromophore/protein interaction in bacterial sensory rhodopsin and bacteriorhodopsin. *Biophys J* 49:479-483, 1986.
- Stubbs G, Namba K, and Makowski L: Adaptation of restrained least-squares crystallographic refinement for fiber diffraction. *Biophys J* 49:58-60, 1986.
- Tanese N, Roth M, and Goff SP: Analysis of retroviral Pol gene products with antisera raised against fusion protein produced in *E. coli*. *J Virol* 59:328-340, 1986.
- Tanese N, Sodroski JG, Haseltine WA and Goff SP: Expression of reverse transcriptase activity of human T-lymphotropic virus type III (HTLV-III/LAV) in *Escherichia coli*. *J Virol* 59:743-745, 1986.
- Teeters CL, Lodish HF, Ciechanover A, and Wallace BA: Transferin and Apotransferrin: pH-dependent conformational changes associated with receptor-mediated uptake. *Ann NY Acad Sci* 463:403-407, 1986.
- van Oostrum J, Burnett RM: The molecular composition of the adenovirus type 2 virion. *J Virol* 56:439-448, 1985.
- van Oostrum J, White JL, Burnett RM: Isolation and crystallization of lambda-exonuclease. *Arch Biochem Biophys* 243:332-337, 1985.
- Wallace BA and Hendrickson WA: Structure of a gramicidin A/Cesium complex. *Biophysical J* 47:173a, 1985.
- Wallace BA: The structure of gramicidin a. *Biophysical J.* 49:295-306, 1986.
- The structure of gramicidin, a transmembrane ion channel. In: *Ion Transport Through Membranes*. Pullman B, and Yagi K, eds. 255-275, 1986.
- Yancopoulos G, Alt, FW: Regulation of the assembly and expression of variable region genes. *Annual Review of Immunology* 4:339-368, 1986.
- Yancopoulos G, Blackwell TK, Hood L, Suh H, Alt FW: Joining between introduced but not endogenous T-cell receptor variable region gene segments in pre-B cells: Evidence that B and T cells use a common recombinase. *Cell* 44:251-259, 1986.
- Zhan X, Culpepper A, Reddy M, Hu X, Goldfarb M: Growth factor requirements of oncogene-transformed NIH and Balb/c 3T3 cells cultured in defined media. *Molecular and Cellular Biology* 6:3541-3544, 1986.
- Zimmerman K, Yancopoulos GD, Collum R, Gee C, Kohl N, Witte O, Toran-Allarand D, Minna J, Alt FW: Differential expression of myc-family genes during mammalian development. *Nature* 319:780-783, 1986.

- Andrews AD, Halasz CLG, Poh-Fitzpatrick MB. Abnormally low UV-induced unscheduled DNA synthesis in hydroa vacciniforme. *Photodermatology* 2:315-318, 1985
- Armstrong RB. Solar Urticaria. *Dermatol Clinics* 4:253-259, 1986
- Armstrong RB and Harber LC. Psoriasis DayCare Center—United States. Chapter 33 in H Roenigk and HI Maibach (eds) *Psoriasis*. New York, Marcel Dekker Inc., 1985, p. 405-4415
- Solar Urticaria. in DJ Demis (ed) *Clinical Dermatology*. New York, Harper & Row Volume 4 Unit 19-5, 1985
- Armstrong RB, Horan DB, Silvers DN. Leukocytoclastic Vasculitis in Urticaria Induced by UV Irradiation. *Arch Dermatol* 121:1145-1148, 1985
- Armstrong RB, Leach EE, Whitman G, Harber LC, Poh-Fitzpatrick MB. Quinidine gluconate photosensitivity. *Arch Dermatol* 121:525-528, 1985
- Armstrong RB, Nichols J and Pachene J. Comparison of Healing of Punch Biopsy Wounds Treated with Monsel's Solution or a Collagen Matrix Sponge. *Arch Derm* 122:546-549, 1986
- Armstrong RB, Whitman GB, Gasparro F and Leach EE. Potential Hazards in Phototherapy with Ultraviolet Radiation Arising from Variation in Dose Required to Produce Erythema. *J Am Acad Derm* 13:772-777, 1985
- Bagel J and Grossman ME. Hemorrhagic bullae associated with morangella morgagni septicemia. *J Am Acad Derm* 12:575-576, 1985
- Subcutaneous nodules due to pseudomonas aeruginosa sepsis. *Am J Med* 80:528-529, 1986
- Berger, CL, Cantor, C, Welsh J, Dervan P, Begley T, Grant S, Gasparro F, Edelson RL. Comparison of synthetic psoralen derivatives and 8-MOP in the inhibition of lymphocyte proliferation. *Ann NY Acad Sci* 46:403-414, 1985
- Grossman ME, Fithian E and Neu HC. Primary cutaneous aspergillosis in leukemia patients. *J Am Acad Dermatol* 12:313-318, 1985
- Grossman ME, Poh-Fitzpatrick MB. Porphyria cutanea tarda: diagnosis, management and differentiation from other hepatic porphyrias. *Dermatol Clinics* 4:297-309, 1986
- Halasz C, Silvers DN, Crum CP. Bowenoid Papulosis in a Three Year Old Girl. *J Am Acad Dermatol* 14:326-330, 1986
- Harber LC, Whitman GB, Armstrong RB and DeLeo VA. Photosensitivity Diseases Related to Interior Lighting. *Ann NY Acad Sci* 453:317-327, 1985
- Kalb RE and Grossman ME. Pterygium formation due to sarcoidosis. *Arch Derm* 121:276-277, 1985
- Chronic perianal herpes simplex in immunocompromised patients. *Am J Med* 80:486-490, 1986
- Kalb R, Grossman ME and Hutt C. Aseptic necrosis of bone in dyskeratosis congenita. *Am J Med* 80:511-513, 1986
- Kalb RE Grossman ME and Neu HC. Stevens-Johnson syndrome due to mycoplasma pneumonia in an adult. *Am J Med* 79:541-544, 1985
- Kalb RE, Grossman ME, Poh-Fitzpatrick MB. Correction of serum and urinary porphyrin levels in porphyria cutanea tarda. *Arch Dermatol* 121:1289-1291, 1985
- Kalb R, Kaplan MH and Grossman ME. Cutaneous nocardiosis case reports and review. *J Am Acad Derm* 13:124-133, 1985
- Kaudewitz P, Kind P, Burg G, Rieber P, Berger CL, Edelson RL, Braun-Falco O. Longitudinal study of surface antigen patterns in cutaneous T-cell lymphomas. *Proc Eur Congr Immunohistology*. Cambridge University Press, 123-124, 1985
- Kohn SR, Silvers DN. Hamartoma of neural origin. *J Am Acad Dermatol* 13:1046-1047, 1985
- Kohn SR. Fatal Penicillamine-induced pemphigus foliaceus-like dermatosis. *Arch Dermatol* 122:17, 1986
- Skin Rash. *Dermatologic Capsule and Comment* 8 (3):12, March, 1986
- Labow TA, Silvers DN. Late Reactions at Zyderm Skin Test Sites. *Cutis* 35:154-148, 1985
- Piomelli S, Poh-Fitzpatrick MB, Seaman C, Scholnik L, and Berdon W. Complete suppression of the symptoms of congenital erythropoietic porphyria by long term treatment with high level transfusions. *N Engl J Med* 314:1029-1031, 1986
- Poh-Fitzpatrick MM. Protoporphyrin metabolic balance in human protoporphyria. *Gastroenterol* 88:1239-1242, 1985
- Porphyrin-sensitized cutaneous photosensitivity: pathogenesis and treatment. *Clinics in Dermatol* 3:41-82, 1985
- The erythropoietic porphyrias. *Dermatol Clinics* 4:291-296, 1986
- Erythropoietic protoporphyria. *Seminars in Dermatol* 5:99-105, 1986
- Porphyria, pseudoporphyria, pseudopseudoporphyria . . .? *Arch Dermatol* 122:403-404, 1986
- Poh-Fitzpatrick MB, Whitlock RT, Lefkowitz JH. Cholestatic liver failure and recovery in a patient with protoporphyria. *Am J Med* 80:0943-950, 1986
- Yemul SS, Berger CL, Estabrook A, Edelson R, Bayley H. The delivery of phototoxic drugs to selected cells. *Ann NY Acad Sci* 46:403-414, 1985

- Allan M, Montague P, Grindlay GJ, Sibbet G, Donovan-Peluso M, Bank A, Paul J: Tissue-specific transcription of the human ϵ globin gene following transfection into the embryonic erythroid cell line K562. *Nucl Acids Res* 13:6125, 1985.
- Amann E, Brosius J: ATG vectors for regulated high-level expression of cloned genes in *Escherichia coli*. *Gene* 40:183-190, 1985.
- Argarana CE, Kuntz ID, Birken S, Axel R, Cantor CR: Molecular cloning and nucleotide sequence of the streptavidin gene. *Nucl Acids Res* 14:1871, 1985.
- Baltimore D, Grosschedl R, Weaver D, Costantini F, Imanishi-Kari T: Studies of immunodifferentiation using transgenic mice. *Cold Spring Harbor Symp. Quant. Biol.* 50:417-420, 1985.
- Bank A: Genetic disorders of hemoglobin synthesis. *Hospital Practice* 20:109, 1985.
Closing remarks. In Bank A, Anderson WF, Zaino EC (Eds.) Fifth Cooley's Anemia Symposium. New York: Annals of the New York Academy of Sciences, Vol. 445, 1985.
Genetic defects in the thalassemias. In Piomelli S, Yachnin S (Eds.) Current Topics in Hematology, Vol. 5. New York: Alan R. Liss, 1985.
Blood Disorders. In Tapley D, Morris T, Weiss R (Eds.) The Columbia University College of Physicians and Surgeons Complete Home Medical Guide. New York: Crown, 1985.
- Bank A, Anderson, WF, Zaino EC: Fifth Cooley's Anemia Symposium. New York: Annals of the New York Academy of Sciences, Vol. 445, 1985.
- Bank A, Dobkin C, Donovan-Peluso M, Young K: Abnormal globin gene structure and expression in β thalassemia. In Bank A, Anderson WF, Zaino EC (Eds.) Fifth Cooley's Anemia Symposium. New York: Annals of the New York Academy of Sciences, Vol. 445, 1985.
- Bank A, Donovan-Peluso M, Young K, Kosche KA, Cubbon RM, Dobkin C: Regulation of human globin gene expression. In Stamatoyannopoulos G, Nienhuis AW (Eds.) Experimental Approaches for the Study of Hemoglobin Switching. New York: Alan R. Liss, 1985.
- Benezra R, Cantor CR, Axel R: Nucleosomes are phased along the mouse β -major globin gene in erythroid and non-erythroid cells. *Cell* 44:697, 1986.
- Berger C, Cantor CR, Welsh J, Dervan P, Begley T, Grant S, Edelson, R: Comparison of synthetic psoralen derivatives and 8MOP in the inhibition of lymphocyte proliferation. *Ann NY Acad Sci* 453:80, 1985.
- Bernards A, Van der Ploeg LHT, Gibson WC, Leegwater P, Eijgenraam F, De Lange T, Weijers P, Calafat J, and Borst P: Rapid change of the repertoire of the variant surface glycoprotein genes in trypanosome by gene duplication and deletion. *J. Mol. Biol.*, 190:1-10, 1985.
- Borden P and Kabat EA: A dot screening procedure on nitrocellulose for detecting anti-idiotopes in hybridoma supernatants. *J. Immunological Methods*. 89:229-231, 1986.
- Brown DB, Blake EJ, Wolgemuth DJ and Ruddell FH: The in vitro activation of human sperm nuclei using *Xenopus laevis* egg extract is inhibited by alkaline phosphatase. *J Cell Biol* 101:263a, 1985.
- Byrne J, Warburton D, Kline J, Blanc W, Stein Z: Morphology of early fetal deaths and their chromosomal characteristics. *Teratology* 32:297-315, 1985.
- Cantor CR, Benezra R, Hui C-H, Smith CL, Welsh J: Mapping the structure of macromolecular assemblies by combining chemical modification and separation methods. *Proc Int Symp Biomol Struct Interactions Suppl J Biosci* 8:3&4, 739-745, 1985.
- Cantor CR, Tse D, McDowell J, Murphy R, Pernis B: Internalization of histocompatibility antigens studied by flow cytometry. In *Cell Biology of the Major Histocompatibility Complex*, Academic Press, B. Pernis and H.J. Vogel, eds., pps. 165-172, 1985.
- Cantor CR, Morse R, Benezra R: Torsional properties of DNA in chromatin. In *Molecular Basis of Cancer, Part A: Macromolecular Structure, Carcinogens, and Oncogenes*, ed. Robert Rein, Alan R. Liss, Inc., pps. 3-18, 1985.
- Cantor C, Warburton P, Smith C, Gaal A: Voltage ramp pulsed field gel electrophoresis separation of large DNA molecules. In *Electrophoresis* ed. M. Dunn, publisher VCH Verlagsgesellschaft, Weinheim, FRG, pps. 161-171, 1986.
- Cantor CR, Hui C-F, Kang C, Smith CL and Wollenzien P: RNA structure in solution and on the 30 S ribosomal subunit. In *Structure, Function and Genetics of Ribosomes*, Springer-Verlag Series in Molecular Biology, eds. B. Hardesty and G. Kramer, pps. 203-216, 1985.
- Carlson M, Celenza JL and Eng FJ: Evolution of the dispersed SUC gene family of *Saccharomyces* by rearrangements of chromosome telomeres. *Mol Cell Biol* 5:2894-2902, 1985.
- Carlson M: Genes near telomeres: Fermentation gene families. In: *Yeast Cell Biology, UCLA Symposia on Molecular and Cellular Biology, New Series* (ed. J. Hicks). New York: A.R. Liss, pp. 241-250, 1986.
- Celenza JL and Carlson M: Rearrangement of the genetic map of chromosome VII of *Saccharomyces cerevisiae*. *Genetics* 109:661-664, 1985.
A yeast gene that is essential for release from glucose repression encodes a protein kinase. *Sci* 233:1175-1180, 1986.
- Chada K, Magram J, Raphael K, Radice G, Lacy, E and Costantini F: Regulated expression of a foreign beta-globin gene in transgenic mice. In: *Banbury Report 20: Genetic Manipulation of the Early Mammalian Embryo*, F. Costantini and R. Jaenisch, eds. (Cold Spring Harbor Laboratory), pps. 179-186, 1985.
- Chada K, Magram J and Costantini F: Tissue- and stage-specific expression of an adult beta-globin gene in transgenic mice. In: *Experimental Approaches for the Study of Hemoglobin Switching*, eds. G. Stamatoyannopoulos and A.W. Nienhuis: Alan R. Liss NY, pps. 305-319, 1985.
An embryonic pattern of expression of a human fetal globin gene in transgenic mice. *Nature* 319:685-689, 1985.
- Chen H-T, Kabat EA: Immunochemical Studies on Blood Groups. *J. Biol. Chem.* 260:13208-13217, 1985.
- Chen PP, Kabat EA, Wu TT, Fong S, Carson DA: Possible involvement of human D minigenes in the first complementarity-determining region of k light chains. *Proc. Natl. Acad. Sci.* 82:2125-2127, 1985.
- Cornblatt B, Erlenmeyer-Kimling L: Global attentional deviance in children at risk for schizophrenia: Specifically and predictive validity, *Journ. of Abn. Psych.* 94:470-486, 1985.
Following children at risk for schizophrenia or depression: The New York High-Risk Project. In *The Proceedings of the IVth World Congress of Biological Psychiatry*. NY: Elsevier Science Publishing Co., Inc. 1481-1483, 1986.
- Cornblatt B, Lenzenweger M, Dworkin R, Erlenmeyer-Kimling L: Positive and negative schizophrenic symptoms, attention and information processing, *Schizophrenia Bulletin*. 11(3):397-407, 1985.
- Cornelissen AWCA, Johnson PJ, Kooter JM, Van der Ploeg LHT and Borst P: Simultaneous transcription of two expression sites of variant surface glycoprotein genes in *Trypanosoma brucei*. *Cell* 41:825-832, 1985.
- Costantini F, Radice G, Magram J, Stamatoyannopoulos G, Papayannopoulou Th. and Chada K: Developmental regulation of human globin genes in transgenic mice. *Cold Spring Harbor Symposia on Quantitative Biology*, vol. 50:361-370, 1985.

- Dobkin C, Bank A: Reversibility of IVS 2 missplicing in a mutant human β globin gene. *J Biol Chem* 260:16332, 1985.
- Dobkin C, Clyne J, Metzzenberg A, Bank A: Expression of a cloned Lepore globin gene. *Blood* 67:168, 1986.
- El Karez A, Murphy AJM, Fichter T, Efstratiadis A and Silverstein S: Transactivation control signals in the promoter of the herpesvirus thymidine kinase gene. *Proc Natl Acad Sci USA* 82:1002, 1985.
- Erlenmeyer-Kimling L, Cornblatt B: High Risk for Schizophrenia: The search for early indicators. In *Genetic Aspects of Human Behavior* (T. Sakai and T. Tsuboi, eds., Tokyo: Igaku-Shoin. 176-185, 1985.
- Erlenmeyer-Kimling L, Friedman D, Cornblatt B, Jacobsen R: Electrodermal recovery data on children of schizophrenic parents. *Psychiatry Research*. 14:149-161, 1985.
- Erlenmeyer-Kimling L, Miller N, eds.: *Life-span Research on the Prediction of Psychopathology*. New Jersey: Lawrence Erlbaum Associates, 1986.
- Evans T and Efstratiadis A: Sequence-dependent S1 nuclease-hypersensitivity of a heteronomous DNA duplex. *J Biol Chem* 261:1477, 1986.
- Everson RB, Milne KL, Warburton D, McClamrock HD and Buchanan PD: Mutagenesis assays of human amniotic fluid. In *Environmental Mutagenesis* 7:171-184. Ed. Alan R. Liss, Inc., NY, 1985.
- Fairall L, Finch JT, Hui C-F, Cantor CR, Butler PJG: Studies of tobacco mosaic virus reassembly with an RNA tail blocked by a hybridized and cross-linked probe. *Euro J Biochem* 156:459, 1986.
- Friedman D, Boltri J, Vaughan HG, Jr., Erlenmeyer-Kimling: Effects of age and sex on the endogenous brain potentials during two continuous performance tests, *Psychophysiology*. 22, 1985.
- Erlenmeyer-Kimling L: Age-related changes in endogeneous components during visual continuous performance tasks. *Electroenceph. Clin. Neurophysiol. Suppl.* 38:112-114, 1986.
- Friedman D, Cornblatt B, Vaughan HG, Jr., Erlenmeyer-Kimling L: Event-related potentials in children at risk for schizophrenia during two versions of the CPT. *Psychiat. Res.* 18:161-177, 1986.
- Gizang-Ginsberg E and Wolgemuth DJ: Localization of mRNAs in mouse testis by in situ hybridization: Distribution of alpha-tubulin and developmental stage specificity of pro-opiomelanocortin transcripts. *Dev Biol* 111:293-305, 1985.
- Grosscheld, R., Costantini, F. and Baltimore, D. Tissue-specific expression of immunoglobulin genes in transgenic mice and cultured cells. In: *Banbury Report 20: Genetic Manipulation of the Early Mammalian Embryo*, F. Costantini and R. Jaenisch, eds. (Cold Spring Harbor Laboratory), pps. 187-196, 1986.
- Harris DA, Sherbany AA, Brosius J: Cloning and characterization of messenger RNA from rat brain that may lack a poly (A) tail. *Soc. Neurosci Abstr* 11:1116, 1986.
- Harrison KB and Warburton D: Preferential X-chromosome activity in human female placental tissues. *Cytogenetics and Cell Genetics* 41:163-168, 1986.
- Henco K, Brosius J, Fujisawa A, Fujisawa JI, Haynes JR, Hochstadt J, Kovacic T, Pasek M, Schambeck A, Schmid J, Todokoro K, Walchli M, Nagata S, Weissmann C: Structural relationship of human interferon alpha genes and pseudogenes. *J Mol Biol* 185:227-260, 1985.
- Hogan G, Constantini F, Lacy E. *Manipulating the Mouse Embryo: a laboratory manual*. Cold Spring Harbor Laboratory, Cold Spring Harbor, N.Y., 1986.
- Holmes-Giannini S, Schittini M, Keithly JS, Warburton P, Cantor CR, Van der Ploeg LHT: Karyotype analysis of leishmania species and its applicability to classification and clinical diagnosis. *Sci* 232:762, 1986.
- Hui C-F, Cantor CR: Mapping the location of psoralen crosslinks on RNA by mung bean nuclease sensitivity of RNA:DNA hybrids. *Proc Natl Acad Sci* 82:1381, 1985.
- Jagiello GM, Fang JS, Ducayen MB, Sung WK: A discussion of the etiology of human trisomy 21. Chapter 1, *Proc Natl Down Syndrome Congress*, April 23-25, 1985. Eds. Pueschel SM, Tingey C, Rynders JE, Crocker AC, Cruthcher DM, Paul H. Brooks Publishing Co., Baltimore, Maryland.
- Kabat EA: Antibody combining sites—Past, present and future. *Investigation and Exploitation of Antibody Combining Sites*. Eds. Reid, E., Cook, G.M.W. and Morre, D.J. Plenum Publishing Corp. pp. 3-22, 1985.
- A Tradition of International Cooperation in Immunology. *Perspectives in Biology and Medicine*. 29:159-160, 1986.
- Kabat EA: Obituary Manfred Martin Mayer June 15, 1916—September 18, 1984. *J. Immunol.* 134:655-656, 1985.
- Overview: The quest for antibody homogeneity: the sine qua non for structural and genetic insights into antibody complementarity. From *Handbook of Experimental Immunology*. Vol 1 Immunochimistry. Eds D.M. Weir, L.A. Herzenberg, C. Blackwell and Leonore A Herzenberg, Oxford, England. 1986.
- The Antibody Enigma. By Thomas J. Kindt and J. Donald Capra. Book Review Plenum 1984, pp. 270. *Nature* 315:435, 1985.
- Kabat EA, Nickerson, KG, Liao J, Grossbard L, Osserman EF, Glickman E, Chess L, Robbins JB, Schneerson R, Yang Y: A human monoclonal macroglobulin with specificity for $\alpha(2-8)$ -linked poly-N-acetylglucosamine acids, the capsular polysaccharide of group B meningococci and Escherichia coli K1, which cross-reacts with polynucleotides and with denatured DNA. *J. Exp. Med.* 164:642-654, 1986.
- Kang C, Cantor CR: Enzymatic synthesis of uniformly ^{32}P -labeled polyribonucleotides and high specific activity ribonucleoside 5' [a- ^{32}P]diphosphates. *Anal Biochem* 144:291, 1985.
- Structure of ribosome-bound messenger RNA as revealed by enzymatic accessibility studies. *J Mol Biol* 181:241, 1985.
- Kline J, Stein Z, Susser M and Warburton D: Fever during pregnancy and spontaneous abortion. *Amer J Epidemiol* 121:832-842, 1985.
- Induced abortion and the chromosomal characteristics of subsequent miscarriages (spontaneous abortions). *Amer J Epidemiol* 123:1066-1079, 1986.
- Kosche KA, Dobkin C, Bank A: DNA sequences regulating human β globin gene expression. *Nucl Acids Res* 13:7781, 1985.
- Lai E, Kabat EA: Immunochemical Studies of Conjugates of Isomaltosyl Oligosaccharides to Lipid: Production and Characterization of Mouse Hybridoma Antibodies Specific for Stearyl-Isomaltosyl Oligosaccharides. *Molec. Immunol.* 22:1021-1037, 1985.
- Lai E, Kabat EA, Mobraaten L: Genetic and Nongenetic Control of the Immune Response of Mice to a Synthetic Glycopipid, Stearyl-isomaltotetraose. *Cellular Immunology* 92:172-183, 1985.
- Lapoumeroulie C, Pagnier J, Bank A, Labie D, Krishnamoorthy R: β thalassemia due to a novel mutation in IVS 1 sequence donor site consensus sequence creating a restriction site. *Biochem Biophys Res Commun* 139: 709, 1986.
- Leibowitz D, Cubbon RM, Bank A: Increased expression of a novel c-abl-related RNA in K562 cells. *Blood* 65:526, 1985.
- Leibowitz D, Schaefer-Rego K, Popenoe DW, Mears JG, Bank A: Variable breakpoints on the Philadelphia chromosome in chronic myelogenous leukemia. *Blood* 66:243, 1985.
- McClelland M, Nelson M, Cantor CR: Purification of Mbo II methylase (GAAG^mA) from *Moraxella bovis*: Site specific cleavage of DNA at nine and ten base pair sequences. *Nuc Acids Res* 3:7171, 1986.

- Miyata M, Mocchetti I, Brosius J, Guidotti A: DBI in RNA and DBI-like immunoreactivity (DBI-LI) in rat brain and peripheral organs. *Fed Proc* 45:917, 1986.
- Morse RH, Cantor CR: Effect of trypsinization and histone H5 addition on DNA twist and topology in reconstituted minichromosomes. *Nucl Acids Res* 14:3293, 1986.
- Mocchetti I, Einstein R, Brosius J: Putative diazepam-binding inhibitor peptide: cDNA clones from rat. *Proc Natl Acad Sci USA* 83:7221-7225, 1986.
- Mutsaers JHGM, Halbeek H, Vliegthart JFG, Wu AM, Kabat EA: Typing of core and backbone domains of mucin-type oligosaccharides from human ovarian-cyst glycoproteins by 500-MHz H-NMR Spectroscopy. *Eur J. Biochem.* 157:139-146, 1986.
- Naparstek Y, Duggan D, Schattner A, Madaio M, Goni F, Frangione B, Stollar BD, Kabat EA, Schwartz RS: Immunochemical similarities between monoclonal antibacterial Waldenstrom's macroglobulins and monoclonal anti-DNA lupus autoantibodies. *J. Exp. Med.* 161:1525-1538, 1985.
- Neigeborn L, Rubin K, Carlson M: Suppressors of *snf2* mutations restore invertase derepression and cause temperature-sensitive lethality in yeast. *Genetics* 112:741-753, 1986.
- Newman BA, Kabat EA: An immunochemical study of the combining site specificities of C57BL/6J monoclonal antibodies of $\alpha(1-6)$ -linked dextran B512. *J. Immunol.* 135:1220-1231, 1985.
- Newman BA, Liao J, Gruezo F, Sugii S, Kabat EA, Torii M, Clevinger BL, Davie JM, Schilling J, Bond M, Hood L: Immunochemical Studies of Mouse Monoclonal Antibodies to Dextran B1355S. II. Combining Site Specificity, Sequence, Idiotype and Affinity. *Molec. Immunol.* 23:413-424, 1986.
- Nicol S, Erlenmeyer-Kimling L: Genetics Factors in Psychopathology: Implications for prevention. In: *Handbook of Prevention* (L. Michelson and B. Edelstein, eds.) New York: Plenum Publishing Co., 1986.
- Ponzetto C and Wolgemuth DJ: Haploid expression of a unique c-abl transcript in the mouse male germ line. *Mol Cell Biol* 5:1791-1794, 1985.
- Popenoe D, Schaefer-Rego K, Mears JG, Bank A, Leibowitz D: Frequent and extensive deletion during the 9,22 translocation in CML. *Blood* 68:1123, 1986.
- Quarless S, Cantor CR: Analysis of RNA structure by UV crosslinking and denaturation gel electrophoresis. *Anal Biochem* 147:296, 1985.
- Rifkind, RA, Bank, A, Marks, PA, Kaplan, KL, Ellison, RE, Lindenbaum, J: *Fundamentals of Hematology*, third edition. Chicago: Year Book Medical Publishers, 1986.
- Rine J, Carlson M: *Saccharomyces cerevisiae* as a Paradigm for Modern Molecular Genetics of Fungi. In: *Gene Manipulations in Fungi*. Eds. J.W. Bennett and L.L. Lasure, New York: Academic Press, pps. 125-160, 1984.
- Risch N, Stein Z, Kline J and Warburton D: The relationship between maternal age and chromosome size in autosomal trisomy. *Amer J Hum Genet* 39:68-78, 1986.
- Rothstein RJ: Cloning in yeast. in: *DNA cloning. A practical approach*. D.M. Glover, Ed., IRL Press, Ltd., Oxford, pp. 45-66, 1985.
- Rutschman J, Cornblatt B, Erlenmeyer-Kimling L: Sustained attention in children at risk for schizophrenia: Findings with two visual continuous performance tasks in a new sample. *Journ. of Abn. Child Psych.* 14(3):365-385, 1986.
- Sarokin L, Carlson M: Role of an upstream region in regulation of the Yeast SUC2 gene by glucose repression. In: *Sequence Specificity in Transcription and Translation*, UCLA Symposia on Molecular and Cellular Biology, New Series, Vol. 30, (eds. R. Calendar and L. Gold). New York: A.R. Liss, pps. 281-289, 1985.
- Upstream region of the SUC2 gene confers regulated expression to a heterologous gene in *Saccharomyces cerevisiae*. *Mol Cell Biol* 5:2521-2526, 1985.
- Comparison of two yeast invertase genes: Conservation of the upstream regulatory region. *Nucl Acids Res* 13:6089-6103, 1985.
- Short repeated elements in the upstream regulatory region of the SUC2 gene of *Saccharomyces cerevisiae*. *Mol Cell Biol* 6:2324-2333, 1986.
- Schiffer M, Wu TT, Kabat EA: Subgroups of Variable Region Genes of a Chains of T-cell Receptors for Antigen. *Proc. Natl. Acad. Sci.* 83:4461-4463, 1986.
- Shea C, Glass DJ, Parangi S and Van der Ploeg LHT. VSG gene expression site switches in *T.brucei*. *J. Biol. Chem.* 261:6056-6063, 1986.
- Sikder SK, Akolkar PN, Kaladas PM, Morrison SL, Kabat EA: Sequences of variable regions of hybridoma antibodies to $\alpha(1-6)$ dextran in BALB/c abd C57BL/6 mice. *J. Immunol.* 135:4215-4221, 1985.
- Sikder SK, Kabat EA, Roberts, D.D. and Goldstein IJ: Immunochemical studies on the combining site of the blood group A-Specific Lima Bean lectin. *Carbohydrate Research*, 151:247-260.
- Sikder SD, Kabat EA, Morrison SL: Alternative splicing patterns in an aberrantly rearranged immunoglobulin k-light-chain gene. *Proc. Natl. Acad. Sci.* 82:4045-4049, 1985.
- Silverman J, Kline J, Hutzler M, Stein Z and Warburton D: Maternal employment and the chromosomal characteristics of spontaneously aborted conceptions. *J Occ Med* 27:427-438, 1985.
- Smith CL, Warburton P, Gaal A, Cantor GR: Analysis of genome organization and rearrangements by pulsed field gradient gel electrophoresis. *Genetic Engineering* 8, eds. Setlow, J.K. and Hollaender, A. Plenum, NY, volume 8, pps. 45-70, 1986.
- Smith CL, Cantor CR: Pulsed-field gel electrophoresis of large DNA molecules. *Nature* 319:701, 1986.
- Macrorestriction mapping by pulsed field gel electrophoresis. In *Applications of DNA Probes*, Banbury Report, Cold Spring Harbor Press, NY, pps. 87-92, 1986.
- Smith CL: Response of *recA*-dependent operons to different DNA damage signals. *Journal of Biological Chemistry* 260:10069, 1985.
- Soares MB, Ishii D and Efstratiadis A: Developmental and tissue-specific expression of a family of transcripts related to insulin-like growth factor II mRNA. *Nuc Acid Res* 13:1119, 1985.
- Soares MB, Schon E, Henderson A, Karanathanasis S, Cate R, Zeitlin S, Chirgwin J and Efstratiadis A: RNA-mediated gene duplication: The rat preproinsulin I gene is a functional retroposon. *Mol Cell Biol* 5:2090, 1985.
- Soares MB, Schon E and Efstratiadis A: Rat LINE1: The origin and evolution of a family of long interspersed middle repetitive DNA elements. *J Mol Evol* 22:117, 1985.
- Strobino B, Fox HE, Kline J, Stein Z, Susser M and Warburton D: Characteristics of women with recurrent spontaneous abortions and women with favorable reproductive histories, *Amer J Public Health* 76:986-991, 1986.
- Strobino B, Kline J, Lai A, Stein Z, Susser M and Warburton D: Vaginal spermicides and spontaneous abortion of known karyotype. *Amer J Epid* 123:431-443, 1986.
- Sung LA, Kabat EA, Chien S: Interaction of Lectins with Membrane Receptors on Erythrocyte Surfaces. *J. Cell. Biol.* 101:646-651, 1985.
- Interaction Energies in Lectin-induced Erythrocyte Aggregation. *J. Cell Biol.* 101:652-659, 1985.
- Sung WK, Komatsu M, Jagiello G: The kinetics of the first wave of spermatogenesis in the newborn male mouse. *Gamete Res* 14:245-254, 1986.

- Sung WK, Van't Hof J, Jagiello G: DNA synthesis studies in premeiotic mouse oogenesis. *Exp Cell Res* 163:370-380, 1986.
- Tse D, Cantor CR, McDowell J, Pernis B: Recycling Class I MHC antigens: Dynamics of internalization, acidification and ligand-degradation in murine T lymphoblasts. *J Mol Cell Immunol* 2:315, 1986.
- Tse D, Al-Haideri M, Pernis B, Cantor C, Wang CY: Intracellular accumulation of T-cell receptor complex molecules in a human T-cell line. *Sci* 234:748, 1986.
- Van der Ploeg LHT, Giannini SH, Cantor CR: Heat shock genes: A regulatory role for differentiation in parasitic protozoa. *Sci* 228:1443, 1985.
- Wallis JW, Chrebet G, Beniaminovitz A, Rothstein RJ: Genetic Control of Delta Recombination. *Curr. Comm., Mechanisms of Yeast Recombination*. A. Klar and J.N. Strathern, Eds., Cold Spring Harbor Press, pp. 131-136, 1986.
- Warburton D: Effects of common environmental exposures on spontaneous abortion of defined karyotype. In: *Prevention Of Physical and Mental Congenital Defects Part C: Basic and Medical Science, Education and Future Strategies*. Ed. Maurice Marois. Alan R. Liss, Inc. NY, pp. 31-36, 1985.
- Genetic factors influencing aneuploidy frequency. In: *Aneuploidy: Etiology and Mechanisms*. Eds. V Vaughn-Dellarco, P Voytek, A Hollaender, Plenum Press, NY 1985.
- Warburton D, Kline J, Stein Z and Strobino B: Cytogenetic abnormalities in spontaneous abortion of recognized conceptions. In: *Perinatal Genetics: Diagnosis and Treatment*. Eds. IH Porter and A Willey, Academic Press, NY, pps. 133-148, 1986.
- Warburton D and Byrne J: Estimates of the Prevalence of Chromosome Abnormalities Expected in the Chorionic Sampling Procedures. In: *Chorionic Villus Sampling Fetal Diagnosis of Genetic Diseases in the First Trimester*. Eds. Bramati, Simoni, Fabro, Marcal Dekker, NY, 1986.
- Weaver D, Reis M.H., Albanese C, Costantini F, Baltimore, D. and Imanishi-Kari, T. Altered repertoire of endogenous immunoglobulin gene expression in transgenic mice containing a rearranged Mu heavy chain gene. *Cell* 45:247-259, 1986.
- Weiner A, Deininger P and Efstratiadis A: Nonviral repositons: Gene, pseudogenes and transposable elements generated by the reverse flow of genetic information. *Ann Rev Biochem* 55:631, 1986.
- Welsh J, Cantor CR: The packaging of DNA in bacteriophage lambda. In: *Bacterial Chromatin, Proceedings in Life Sciences*, Springer-Verlag, eds. C. Gualerzi and C. Pon, pps. 30-44, 1986.
- Wertheim, I, Jagiello G, Ageing and aneuploidy in human oocytes and follicular cells. *J Gerontology* 41:567-573, 1986.
- Wims L, Sharon J, Newman B, Kabat EA, Morrison SL: C57BL/6 X BALB/c hybridomas produce IgA which assembles into molecular with covalent bonds between heavy chains (H) and light chains (L), and into molecular lacking covalent bonds between H and L. *Molecular Immunology* 22:1379-1386, 1985.
- Wolgemuth DJ, Engelmyer E, Duggal RN, Ginzang-Ginsberg E, Mutter GL, Ponzetto C, Viviano CM and Zakeri ZF: Isolation of a mouse cDNA coding for a developmentally-regulated testis specific transcript containing homeo box homology. *The EMBO Journal* 5, 1229-1235, 1986.
- Isolation and characterization of expression of a homeo box-containing cDNA clone from a mouse testis cDNA library. *DNA* 5:86, 1986.
- Wolgemuth DJ and Grills GS: Development of mouse embryos under conditions of reorientation relative to the gravity vector. *ASGSB Annual Meeting*, Charlottesville, Virginia 1986.
- Wolgemuth DJ and Engelmyer E: Developmental expression of a novel murine testis-specific transcript containing homeo box homology. *J Cell Biochem* 10D:29, 1986.
- Wollenzien P, Expert-Bezancon A, Murphy R, Hayes D, Cantor CR: Structure of the E. coli 16S ribosomal RNA: Psoralen crosslinks and N-Acetyl-N'-(p-Glyoxylybenzoyl) cystamine crosslinks detected by electron microscopy. *J Mol Biol* 184:67, 1985.
- Yu MT, Yu CY, Yu CX, Maidman J and Warburton D: Improved methods of direct culture chromosome preparations from chorionic villous samples. *Amer J Hum Genet* 38:576-581, 1986.

- Ackers GK and Smith FR: Resolving pathways of functional coupling within protein assemblies by site-specific structural perturbation. *Biophys J* 49:155-165, 1986.
- Ahn J, Chang EB and Field M: Phorbol ester inhibition of Na-H exchange in rabbit proximal colon. *Am J Physiol* 249:C527-C530, 1985.
- Al-Awqati Q: Rapid insertion and retrieval of pumps and channels into membranes by exocytosis and endocytosis. *Soc Gen Physiol Ser* 39:149-157, 1985.
- The Cellular renal response to respiratory acid-base disorders [clinical conference]. *Kidney Int* 28:845-855, 1985.
- Allan M, Montague P, Grindlay GJ, Sibbet G, Donovan-Peluso M, Bank A and Paul J: Tissue specific transcription of the human epsilon-globin gene following transfection into the embryonic erythroid cell line K562. *Nucleic Acids Res* 13:6125-6136, 1985.
- Amr S, Rosa C, Birken S, Canfield R and Nisula B: Carboxyterminal peptide fragments of the beta subunit are urinary products of the metabolism of desialylated human choriogonadotropin. *J Clin Invest* 76:350-356, 1985.
- Arcoleo JP and Weinstein IB: Activation of protein kinase C by tumor promoting phorbol esters, teleocidin and aplysiatoxin in the absence of added calcium. *Carcinogenesis* 6:213-217, 1985.
- Backer JM, Arcoleo JP and Weinstein IB: Protein phosphorylation in isolated mitochondria and the effects of protein kinase C. *FEBS Lett* 200:161-164, 1986.
- Backer JM and Weinstein IB: Proteins encoded by ras oncogenes stimulate or inhibit phosphorylation of specific mitochondrial membrane proteins. *Biochem Biophys Res Commun* 135:316-322, 1986.
- Baker MA, Kanani A, Hindenburg A and Taub RN: Changes in the granulocyte membrane following chemotherapy for chronic myelogenous leukemia. *Br J Haematol* 62:431-438, 1986.
- Baker MA, Taub RN, Kanani A, Brockhausen I and Hindenburg A: Increased activity of a specific sialyltransferase in chronic myelogenous leukemia. *Blood* 66:1068-1071, 1985.
- Bank A: Genetic disorders of hemoglobin synthesis. *Hosp Pract [Off]* 20:109-111, 115-9, 123-4, 1985.
- Genetic defects in the thalassemias. *Curr Top Hematol* 5:1-23, 1985.
- Bank A, Dobkin C, Donovan-Peluso M and Young K: Abnormal globin gene structure and expression in beta-thalassemia. *Ann NY Acad. Sci* 445:1-9, 1985.
- Bank A, Donovan-Peluso M, Young K, Kosche K, Cubbon RM and Dobkin C: Regulation of human globin gene expression. *Prog Clin Biol Res* 191:269-280, 1985.
- Benvenisty AI, Cohen DJ and Hardy MA: Tissue typing in renal transplantation: the impact of cyclosporine. *Transplant Proc* 18:19-28, 1986.
- Bershad S, Rubinstein A, Paterniti JR, Le NA, Poliak SC, Heller B, Ginsberg HN, Fleischmajer R and Brown WV: Changes in plasma lipids and lipoproteins during isotretinoin therapy for acne. *N Engl J Med* 313:981-985, 1985.
- Betocchi S, Cannon RO 3rd, Watson RM, Bonow RO, Ostrow HG, Epstein SE and Rosing DR: Effects of sublingual nifedipine on hemodynamics and systolic and diastolic function in patients with hypertrophic cardiomyopathy. *Circulation* 72:1001-1007, 1985.
- Bhalla K, Hindenburg A, Taub RN and Grant S: Isolation and characterization of an anthracycline-resistant human leukemic cell line. *Cancer Res* 45:3657-3662, 1985.
- Bigger JT Jr: Risk stratification after myocardial infarction. *Z Kardiol* 746-147-157, 1985.
- Patients with malignant or potentially malignant ventricular arrhythmias: opportunities and limitations of drug therapy in prevention of sudden death. *J Am Coll Cardiol* 5:23B-26B, 1985.
- Digitalis toxicity. *J Clin Pharmacol* 25:514-521, 1985.
- Relation between left ventricular dysfunction and ventricular arrhythmias after myocardial infarction. *Am J Cardiol* 57:8B-14B, 1986.
- Bigger JT Jr and Coromilas J: Identification of patients at risk for arrhythmic death: role of Holter ECG recording. *Cardiovasc Clin* 15:131-143, 1985.
- Bigger JT Jr, Fleiss JL, Rolnitzky LM, Merab JP and Fernick KJ: Effect of digitalis treatment on survival after acute myocardial infarction. *Am J Cardiol* 55:623-630, 1985.
- Bigger JT Jr, Reiffel JA, Livelli FD Jr and Wang PJ: Sensitivity, specificity, and reproducibility of programmed ventricular stimulation. *Circulation* 73:II73-II78, 1986.
- Bilezikian JP: Hyper- and hypoparathyroidism. In *Conn's Current Therapy*, Rakel RE Eds.: W.B. Saunders Co, Philadelphia. pp. 491-494. 1985.
- Blaner WS, Hendriks HF, Brouwer A, de Leeuw AM, Knook DL and Goodman DS: Retinoids, retinoid-binding proteins, and retinyl palmitate hydrolase distributions in different types of rat liver cells. *J Lipid Res* 26:1241-1251, 1985.
- Blaner WS, Smith JE, Dell RB and Goodman DS: Spatial distribution of retinol-binding protein and retinyl palmitate hydrolase activity in normal and vitamin A-deficient rat liver. *J Nutr* 115:856-864, 1985.
- Blomhoff R, Rasmussen M, Nilsson A, Norum KR, Berg T, Blaner WS, Kato M, Mertz JR, Goodman DS, Eriksson U and et al: Hepatic retinol metabolism. Distribution of retinoids, enzymes, and binding proteins in isolated rat liver cells. *J Biol Chem* 260:13560-13565, 1985.
- Blum CB, Dell RB, Palmer RH, Ramakrishnan R, Sepowitz AH and Goodman DS: Relationship of the parameters of body cholesterol metabolism with plasma levels of HDL cholesterol and the major HDL apoproteins. *J Lipid Res* 26:1079-1088, 1985.
- Bopp HR and Neu HC: Use of personal items could present problems [letter]. *Infect Control* 6:300, 1985.
- Brandt-Rauf PW, Pincus MR and Adelson S: Bile duct cancer and cardiac anomalies. *NY State J Med* 86:7-9, 1986.
- Bray BA, Keller S, Mandl I and Turino GM: Collagenous membrane from the surface of human visceral pleura. *Lung* 163:361-372, 1985.
- Bray BA, Osman M, Ashtyani H, Mandl I and Turino GM: The fibronectin content of canine lungs is increased in bleomycin-induced fibrosis. *Exp Mol Pathol* 44:353-363, 1986.
- Brentjens JR, Matsuo S, Andres GA, Caldwell PR and Zamboni L: Gametes contain angiotensin converting enzyme (kininase II). *Experientia* 42:399-402, 1986.
- Brittain DC, Scully BE, McElrath MJ, Steinman R, Labthavikul P and Neu HC: The pharmacology of orally administered ciprofloxacin. *Drugs. Exp Clin Res* 11:339-341, 1985.
- Buchin PJ: Disorders of the large intestine. In *The Columbia University College of Physicians & Surgeons Complete Home Medical Guide*, Tapley DF, Weiss RJ, Morris TQ, Eds.: Crown Publishing, New York. pp. 524-535.
- Buchin PJ, Levy JS and Schullinger JN: Down's syndrome and the gastrointestinal tract. *J Clin Gastroenterol* 8:111-114, 1986.
- Bukberg PR, Le NA, Ginsberg HN, Gibson JC, Rubinstein A and Brown WV: Evidence for non-equilibrating pools of apolipoprotein C-III in Plasma lipoproteins. *J Lipid Res* 26:1047-1057, 1985.
- Cannon PJ, Maudsley AA, Hilal SK, Simon HE and Cassidy F: Sodium nuclear magnetic resonance imaging of myocardial tissue of dogs after coronary artery occlusion and reperfusion. *J Am Coll Cardiol* 7:573-579, 1986.

- Cannon RO 3rd, Bonow RO, Bacharach SL, Green MV, Rosing DR, Leon MB, Watson RM and Epstein SE: Left ventricular dysfunction in patients with angina pectoris, normal epicardial coronary arteries, and abnormal vasodilator reserve. *Circulation* 71:218-226, 1985.
- Cannon RO 3rd, Leon MB, Watson RM, Rosing DR and Epstein SE: Chest pain and "normal" coronary arteries—role of small coronary arteries. *Am J Cardiol* 55:50B-60B, 1985.
- Cannon RO 3rd, Rosing DR, Maron J, Leon MB, Bonow RO, Watson RM and Epstein SE: Myocardial ischemia in patients with hypertrophic cardiomyopathy: contribution of inadequate vasodilator reserve and elevated left ventricular filling pressures. *Circulation* 71:234-243, 1985.
- Cannon RO 3rd, Watson RM, Rosing DR and Epstein SE: Efficacy of calcium channel blocker therapy for angina pectoris resulting from small-vessel coronary artery disease and abnormal vasodilator reserve. *Am J Cardiol* 56:242-246, 1985.
- Cantor JO, Willhite M, Bray BA, Keller S, Mandl I and Turino GM: Synthesis of crosslinked elastin by a mesothelial cell culture. *Proc Soc Exp Biol Med* 181:387-391, 1986.
- Carey RW, Anderson JR, Green M, Ellison RR, Nathanson L and Kennedy BJ: Treatment of metastatic malignant melanoma with vinblastine, dacarbazine, and cisplatin: a report from the Cancer and Leukemia Group B. *Cancer Treat Rep* 70:329-331, 1986.
- Carlin RD and Jan KM: Mechanism of thallium extraction in pump perfused canine hearts. *J Nucl Med* 26:165-169, 1985.
- Chin NX and Neu HC: Comparative antibacterial activity of an arylglycyl oral cephalosporin, LY164846. *Antimicrob Agents Chemother* 29:703-706, 1986.
- Comparative in vitro activity and beta-lactamase stability of CGP 31523A, a new aminothiazolyl cephalosporin. *Chemioterapia* 5:92-100, 1986.
- Clemens TL, Bilezikian JP, Dempster DW, Shane E, Segre GV, Silverberg S, Williams S and Lindsay R: Oral phosphate depresses serum 1, 25-dihydroxyvitamin D concentrations in osteoporotic subjects. In: *Vitamin D: Chemical, Biochemical and Clinical Update*, Norman AW, Schaefer K, Grigoleit HG and Herrath DV Eds.: Walker de Gruyter, New York, pp. 1010-1011. 1985.
- Corwin S and Reiffel JA: Nitrate therapy for angina pectoris. Current concepts about mechanism of action and evaluation of currently available preparations. *Arch Intern Med* 145:538-543, 1985.
- Davidson NO, Kollmer ME and Glickman RM: Apolipoprotein B synthesis in rat small intestine: regulation by dietary triglyceride and biliary lipid. *J Lipid Res* 27:30-39, 1986.
- De Leo VA, Hanson D, Weinstein IB and Harber LC: Ultraviolet radiation stimulates the release of arachidonic acid from mammalian cells in culture. *Photochem Photobiol* 41:51-56, 1985.
- DeLeo VA, Scheide S, Horlich H, Hanson D, Southern W, Harber LC and Weinstein IB: The effect of 12-O-tetradecanoylphorbol-13-acetate (TPA) on phospholipid metabolism of human epidermal keratinocytes in culture. *Carcinogenesis* 7:937-942, 1986.
- Detre KM, Levy RI, Kelsey SF, Epstein SE, Brensike JF, Passamani ER, Richardson JM, Loh IK, Stone NJ, Aldrich RF and et al: Secondary prevention and lipid lowering: results and implications. *Am Heart J* 110:1123-1127, 1985.
- Dobkin C and Bank A: Reversibility of IVS 2 missplicing in a mutant human beta-globin gene. *J Biol Chem* 260:16332-16337, 1985.
- Dobkin C, Clyne J, Metzenberg A and Bank A: Expression of a cloned Lepore globin gene. *Blood* 67:168-172, 1986.
- Dragani TA, Manenti G, Della Porta G, Gattoni Celli S and Weinstein IB: Expression of retroviral sequences and oncogenes in murine hepatocellular tumors. *Cancer Res* 46:1915-1919, 1986.
- Dresdale AR, Drusin RE, Lamb J, Smith CR, Reemtsma K and Rose EA: Reduced infection in cardiac transplant recipients. *Circulation* 72:II237-II240, 1985.
- Ehrlich PH, Moustafa ZA, Krichevsky A and Mesa-Tejada R: Human chorionic gonadotropin detected by monoclonal antibodies. In: *Monoclonal Antibodies in Cancer*, Sell A and Reisfeld R Eds.: Humana Press 65-96. 1985.
- Ehrlich PH, Moyle WR and Canfield RE: Monoclonal antibodies to gonadotropin subunits. *Methods. Enzymol* 109:638-655, 1985.
- Epstein SE, Cannon RO 3rd, Watson RM, Leon MB, Bonow RO and Rosing DR: Dynamic coronary obstruction as a cause of angina pectoris: implications regarding therapy. *Am J Cardiol* 55:61B-68B, 1985.
- Fairbanks KP, Barbu VD, Witte LD, Weinstein IV and Goodman DS: Effects of mevinolin and mevalonate on cell growth in several transformed cell lines. *J Cell Physiol* 127:216-222, 1986.
- Fairbanks KP, Witte LD and Goodman DS: Effects of platelet-derived growth factor on 3-hydroxy-3-methylglutaryl coenzyme A reductase activity in cultured human fibroblasts. *Arteriosclerosis* 6:34-41, 1986.
- Fidler JM, DeJoy SQ, Smith FR3d and Gibbons JJ Jr: Selective immunomodulation by the antineoplastic agent mitoxantrone. II. Nonspecific adherent suppressor cells derived from mitoxantrone-treated mice. *J Immunol* 136:2747-2754, 1986.
- Fine K: What To Do Until the Doctor Comes—Overview of first aid and safety; Directory of common first aid procedures; Poisoning. In: *The Columbia University College of Physicians and Surgeons Complete Home Medical Guide*, Tapley DF, Weiss RJ, Morris TQ Eds. Crown Publishers, New York. 76, 105, 124. 1985.
- Fisher PB and Grant S: Effects of interferon on differentiation of normal and tumor cells. *Pharmacol Ther* 27:143-166, 1985.
- Fisher PB, Prignoli DR, Hermo Jr, Weinstein IB and Pestka S: Effects of combined treatment with interferon and mezerein on melanogenesis and growth in human melanoma cells. *J Interferon Res* 5:11-22, 1985.
- Fleisher LN, Tall AR, Witte LD and Cannon PJ: Plasma lipoproteins and prostaglandin biosynthesis. In *Biological Protection with Prostaglandins*, Cohen M Eds.: CRC Press 131-144. 1985.
- Fleiss JL, Bigger JT Jr and Rolnitzky LM: Is catch-22 alive and well and living at NHLBI? Reactions to 'digitalis—a new controversy regarding an old drug' [editorial]. *Circulation* 73:19-20, 1986.
- Flood PM, Murphy DB, Horowitz M, LeClair KP, Smith FR, Stockert E, Palladino MA Jr and DeLeo AB: A monoclonal antibody that recognizes an Ly-6-linked antigen inhibits the generation of functionally active T cell subsets. *J Immunol* 135:63-72, 1985.
- Freddo L, Hays AP, Sherman WH and Latov N: Axonal neuropathy in a patient with IgM M-protein reactive with nerve endoneurium. *Neurology* 35:1321-1325, 1985.
- Friedewald WT and Levy RI: Planning and implementation of large clinical trials *Isr J Med Sci* 22:191-196, 1986.
- Friedman GD, Blaner WS, Goodman DS, Vogelmann JII, Brind JL, Hoover R, Fireman BH and Orentreich N: Serum retinol and retinol-binding protein levels do not predict subsequent lung cancer. *Am J Epidemiol* 123:781-789, 1986.
- Garcia-Ruiz C, Martinez-Vea A, Boix J and Oliver JA: [Angiodysplasia of the colon and chronic renal insufficiency (letter)]. *Med Clin (Barc)* 85:387, 1985.
- Gattoni Celli S, Hsiao WL, Lambert M, Kirschmeier P and Weinstein IB: Genetic targets in multistage carcinogenesis. *Carcinog Compr Surv* 9:29-40, 1985.
- Gelfand J, Truong L, Stern L, Pirani CL and Appel GB: Thrombotic thrombocytopenic purpura syndrome in systemic lupus erythematosus: treatment with plasma infusion. *Am J Kidney Dis* 6:154-160, 1985.

- Giardina EG, Barnard T, Johnson L, Saroff AL, Bigger JT Jr and Louie M: The antiarrhythmic effect of nortriptyline in cardiac patients with ventricular premature depolarizations. *J Am Coll Cardiol* 7:1363-1369, 1986.
- Giardina EG, Johnson LL, Vita J, Bigger JT Jr and Brem RF: Effect of imipramine and nortriptyline on left ventricular function and blood pressure in patients treated for arrhythmias. *Am Heart J* 109:992-998, 1985.
- Giardina EG, Raby K, Freilich D, Vita J, Brem R and Louie M: Time course of alpha-1-acid glycoprotein and its relation to myocardial enzymes after acute myocardial infarction. *Am J Cardiol* 56: 262-256, 1985.
- Gibson JC, Rubinstein A, Brown WV, Ginsberg HN, Greten II, Norum R and Kayden II: Apo E-containing lipoproteins in low or high density lipoprotein deficiency. *Arteriosclerosis* 5:371-380, 1985.
- Gifford RW Jr, Bravo EL and Manager WM: Diagnosis and management of pheochromocytoma. *Cardiology* 72:126-130, 1985.
- Glickman RM: The future of the physician scientist. Presidential address delivered before the 76th annual meeting of the American Society for Clinical Investigation, Washington, DC, 4 May 1985. *J Clin Invest* 76:1293-1296, 1985.
- Goldberg IJ, Blaner WS and Goodman DS: Immunologic and enzymatic comparisons between human and bovine lipoprotein lipase. *Arch. Biochem Biophys* 244:580-584, 1986.
- Goldberg IJ, Mazlen RG, Rubenstein A, Gibson JC, Paterniti JR Jr, Lindgren FT and Brown WV: Plasma lipoprotein abnormalities associated with acquired hepatic triglyceride lipase deficiency. *Metabolism* 34:832-835, 1985.
- Goldberg IJ, Rosenfeld RS, Paul I and Leeman B: Generation of plasma free cholesterol from circulating lipoprotein-associated cholesteryl ester. *Am J Physiol* 250:E265-E268, 1986.
- Grant S, Bhalla K, Weinstein B, Pestka S, Mileno MD and Fisher PB: Recombinant human interferon sensitizes resistant myeloid leukemic cells to induction of terminal differentiation. *Biochem. Biophys Res Commun* 130:379-388, 1985.
- Griffin JF, Larson DL and Protoghesi PS: Crystal structures of alpha- and beta-funaltrexamine: conformational requirement of the fumaramate moiety in the irreversible blockage of mu opioid receptors. *J Med Chem* 29:778-783, 1986.
- Haber RS and Loeb JN: Stimulation of potassium efflux in rat liver by a low dose of thyroid hormone: evidence for enhanced cation permeability in the absence of Na, K-ATPase induction. *Endocrinology* 118:207-211, 1986.
- Hendrickson GL, Anderson RK and Levy RI: IAIMS at Columbia: a strategic plan and model project. *Bull Med Libr Assoc* 74:243-248, 1986.
- Hindenburg AA, Taub RN, Grant S, Chang G and Baker MA: Effects of pyrimidine antagonists on sialic acid regeneration in HL-60 cells. *Cancer Res* 45:3048-3052, 1985.
- Housey GM, Kirschmeier P, Garte SJ, Burns F, Troll W and Weinstein IB: Expression of long terminal repeat (LTR) sequences in carcinogen-induced murine skin carcinomas. *Biochem Biophys Res Commun* 127:391-398, 1985.
- Hsiao WL, Gattoni Cellis and Weinstein IB: Effects of 5-azacytidine on the progressive nature of cell transformation. *Mol. Cell Biol* 5:1800-1803, 1985.
- Effects of 5-azacytidine on expression of endogenous retrovirus-related sequences in C3H 10T1/2 cells. *J Virol* 57:1119-1126, 1986.
- Huang HS, Dyrenfurth I, Gunsalus GL and Hembree WC: Effect of vitamin A deficiency upon gonadotropin response to gonadotropin-releasing hormone. *Biol Reprod* 33:1176-1187, 1985.
- Hyun CS, Cragoe EJ Jr and Field M: Alpha 2-adrenergic receptor-mediated regulation of intestinal calcium transport. *Am J Physiol* 249:C117-C123, 1985.
- Insel J, Weissman C, Kemper M, Askanazi J and Hyman AI: Cardiovascular changes during transport of critically ill and postoperative patients. *Crit Care Med* 14:539-542, 1986.
- Jacobs TP: Diagnosis and management of Paget's disease. *Compr Ther* 12:30-34, 1986.
- Jan KM: Distribution of myocardial stress and its influence on coronary blood flows. *J Biomech* 18:815-820, 1985.
- Janus ED, Grant S, Lintott CJ and Wardell MR: Apolipoprotein E phenotypes in hyperlipidaemic patients and their implications for treatment. *Atherosclerosis* 57:249-266, 1985.
- Johnson BF, Lindenbaum J, Budnitz E and Marwaha R: Variability of steady-state digoxin kinetics during administration of tablets or capsules. *Clin Pharmacol Ther* 39:306-312, 1986.
- Kahn JP and Drusin RE: Panic attacks and idiopathic cardiomyopathy [letter]. *JAMA* 255:2898, 1986.
- Kaplan KL and Owen J: Plasma levels of platelet secretory proteins. *CRC. Crit. Rev. Oncol Hematol* 5:235-255, 1986.
- Keller AM, Tsiatis AA, Neiman RS, Glick JH and Mann RB: m-AMSA in refractory lymphoma. A phase II trial of the Eastern Cooperative Oncology Group. *Am J Clin Oncol* 8:449-452, 1985.
- Kelly JM, Tossi AB, McConnell DJ and OhUigin C: A study of the interactions of some polypyridylruthenium (II) complexes with DNA using fluorescence spectroscopy, topoisomerisation and thermal denaturation. *Nucleic Acids Res* 13:6017-6034, 1985.
- Kinney JM and Weissman C: Forms of malnutrition in stressed and unstressed patients. *Clin Chest Med* 7:19-28, 1986.
- Kleyman TR, Rajagopalan R, Cragoe EJ Jr, Erlanger BF and Al-Awqati Q: New amiloride analogue as hapten to raise anti-amiloride antibodies. *Am J Physiol* 250:C165-C170, 1986.
- Kleyman TR, Yulo T, Ashbaugh C, Landry D, Cragoe EJ Jr, Karlin A and Al-Awqati Q: Photoaffinity labeling of the epithelial sodium channel. *J Biol Chem* 261:2839-2843, 1986.
- Kosche KA, Dobkin C and Bank A: DNA sequences regulating human beta globin gene expression. *Nucleic Acids Res* 13:7781-7793, 1985.
- Kritzler RA: Simple audio equipment for use in patients with radio-necrosis. *Laryngoscope* 95:226, 1985.
- Krober MS, Bass JW, Powell JM, Smith FR and Seto DS: Bacterial and viral pathogens causing fever in infants less than 3 months old. *Am J Dis Child* 139:889-892, 1985.
- Krone RJ, Gillespie JA, Weld FM, Miller JP and Moss AJ: Low-level exercise testing after myocardial infarction: usefulness in enhancing clinical risk stratification. *Circulation* 71:80-89, 1985.
- Lambert ME, Pellegrini S, Gattoni Cellis and Weinstein IB: Carcinogen induced asynchronous replication of polyoma DNA is mediated by a trans-acting factor. *Carcinogenesis* 7:1011-1017, 1986.
- LaRosa JC, Levy RI and Hazzard WR: Some clinical implications of the results of the Lipid Research Clinics Program Prevalence Study. *Circulation* 73:1126-1133, 1986.
- Lass JH, Ellison RR, Wong KM and Klein L: Collagen degradation and synthesis in experimental corneal grafts. *Exp Eye Res* 42:201-210, 1986.
- Leibowitz D, Schaefer-Rego K, Popenoe DW, Mears JG and Bank A: Variable breakpoints on the Philadelphia chromosome in chronic myelogenous leukemia. *Blood* 66:243-245, 1985.
- Levy RI: Cholesterol and coronary artery disease. What do clinicians do now? *Am J Med* 80:18-22, 1986.
- Cholesterol and cardiovascular disease: no longer whether, but rather when, in whom, and how? *Circulation* 72:686-691, 1985.
- [Verification of the lipid hypothesis by drug intervention]. *Ter. Arkh* 57:33-35, 1985.
- Primary prevention of coronary heart disease by lowering lipids: results and implications. *Am Heart J* 110:1116-1122, 1985.

- Changing perspectives in the prevention of coronary artery disease. *Am J Cardiol* 57:17G-26G, 1986.
- Lewy R: Preplacement examination of temporary hospital workers. *J Occup Med* 27:122-124, 1985.
- Hospital occupational health: a prescription for change. *Occup Health Nurs* 33:37-39, 1985.
- Visits to a hospital-based employee health service. *J Occup Med* 28:241-242, 1986.
- Alcoholism in house staff physicians: an occupational hazard. *J Occup Med* 28:79-81, 1986.
- Liskamp RM, Brothman AR, Arcoleo JP, Miller OJ and Weinstein IB: Cellular uptake and localization of fluorescent derivatives of phorbol ester tumor promoters. *Biochem Biophys Res Commun* 131:920-927, 1985.
- Liu CY, Wallen P and Handley DA: Fibrinogen New York 1: The structural, functional, and genetic defects, and a hypothesis of the roles of fibrin in coagulation and fibrinolysis. In: *Fibrinogen, Fibrin Formation, and Fibrinolysis*, Lane D, Henschen A and Jasani K Eds.: Walter de Gruyter & Co., Berlin-New York 1985.
- Liu CZ, Jan KM, Luo HS, Chiou HC, Chen PH and Chen CM: Ambulatory electrocardiographic findings in patients with essential hypertension vs. normal subjects without apparent heart diseases. *Taiwan I Hsueh Hui Tsa Chih* 84:571-578, 1985.
- Prinzmetal's variant form of angina pectoris: a case detected by continuous Holter monitoring. *Taiwan I Hsueh Hui Tsa Chih* 84:117-126, 1985.
- Mandell W and Neu HC: In vitro activity of CI-934, a new quinolone, compared with that of other quinolones and other antimicrobial agents. *Antimicrob Agents Chemother* 29:852-857, 1986.
- Antimicrobial activity and beta-lactamase stability of foramidocillin. *Antimicrob Agents Chemother* 29:769-773, 1986.
- Manger WM: Psychiatric manifestations in patients with pheochromocytomas [editorial]. *Arch Intern Med* 145:229-230, 1985.
- Mann JJ, Brown RP, Halper JP, Sweeney JA, Kocsis JH, Stokes PE and Bilezikian JP: Reduced sensitivity of lymphocyte beta-adrenergic receptors in patients with endogenous depression and psychomotor agitation. *N Engl J Med* 313:715-720, 1985.
- Maxfield RA, Sorkin IB, Fazzini EP, Rapoport DM, Stenson WM and Goldring RM: Respiratory failure in patients with acquired immunodeficiency syndrome and *Pneumocystis carinii* pneumonia. *Crit Care Med* 14:443-449, 1986.
- Mayer RJ, Schiffer CA, Peterson BA, Silver RT, Cornwell GG, McIntyre OR, Rai KR, Budman DR, Ellison RR, Maguire M, et al: Intensive postremission therapy in adults with acute nonlymphocytic leukemia with ara-C by continuous infusion or bolus administration: preliminary results of a CALGB phase I study. *Semin Oncol* 12:84-90, 1985.
- Morris SA and Bilezikian JP: The regulation of adenylate cyclase activity in turkey erythrocyte membranes by forskolin. *Arch Biochem Biophys* 243:678-689, 1985.
- Modifications of the adenylate cyclase complex during differentiation of cultured myoblasts. *J Cell Physiol* 127:28-38, 1986.
- Neu HC: Advances in cephalosporin therapy. *Am J Med* 79:114-118, 1985.
- The in-vitro activity of EN 272, a quinolone-y-carboxylic acid, in comparison with other quinolones. *J Antimicrob Chemother* 16:43-48, 1985.
- Antimicrobial chemotherapy. In *Medical Microbiology*, Baron S Eds.: Addison-Wesley Publ Co, Menlo Park, CA. 329-353. 1985.
- The role of beta-lactamase inhibitors in chemotherapy. *Pharmacol Ther* 30:1-8, 1985.
- Penicillins. In: *Anti-Infective Therapy*, Mandell GL, Douglas RG Jr and Bennett JE Eds.: John Wiley & Sons 37-38. 1985.
- Relation of structural properties of beta-lactam antibiotics to antibacterial activity. *Am J Med* 79:2-13, 1985.
- Other beta-lactam antibiotics. In: *Anti-Infective Therapy*, Mandell GL, Douglas RG Jr and Bennett JE Eds.: John Wiley & Sons 95-108. 1985.
- Antibiotics in the second half of the 1980s. Areas of future development and the effect of new agents on aminoglycoside use. *Am J Med* 80:195-203, 1986.
- Neu HC, Chin NX, Jules K and Labthavikul P: The activity of BMJ 28142 a new broad spectrum beta-lactamase stable cephalosporin. *J Antimicrob Chemother* 17:441-452, 1986.
- Neugut AI, Johnsen CM and Fink DJ: Serum cholesterol levels in adenomatous polyps and cancer of the colon. A case-control study. *JAMA* 255:365-367, 1986.
- Neugut AI, Johnsen CM, Forde KA and Treat MR: Recurrence rates for colorectal polyps. *Cancer* 55:1586-1589, 1985.
- Nichols AB, Pearson MH, Sciacca RR and Cannon PJ: Left ventricular mechanical efficiency in coronary artery disease. *J Am Coll Cardiol* 7:270-279, 1986.
- OBrian CA, Liskamp RM, Solomon DH and Weinstein IB: Inhibition of protein kinase C by tamoxifen. *Cancer Res* 45:2462-2465, 1985.
- Triphenylethylenes: a new class of protein kinase C inhibitors. *JNCI* 76:1243-1246, 1986.
- OGrady SM, Field M, Nash NT and Rao MC: Atrial natriuretic factor inhibits Na-K-Cl cotransport in teleost intestine. *Am J Physiol* 249:C531-C534, 1985.
- OGrady SM, Musch MW and Field M: Stoichiometry and ion affinities of the Na-K-Cl cotransport system in the intestine of the winter flounder (*Pseudopleuronectes americanus*). *J Membr Biol* 91:33-41, 1986.
- Osman M, Cantor JO, Roffman S, Keller S, Turino GM and Mandl I: Cigarette smoke impairs elastin resynthesis in lungs of hamsters with elastase-induced emphysema. *Am Rev Respir Dis* 132:640-643, 1985.
- Oster MW, Gray R, Panasci L and Perry MC: Chemotherapy for advanced pancreatic cancer. A comparison of 5-fluorouracil, adriamycin, and mitomycin (FAM) with 5-fluorouracil, streptozotocin, and mitomycin (FSM). *Cancer* 57:29-33, 1986.
- Palmer RH, Nichols AV, Dell RB, Ramakrishnan R, Lindgren FT, Gong EL, Blum CB and Goodman DS: Lack of relationship in humans of the parameters of body cholesterol metabolism with plasma levels of subfractions of HDL or LDL, or with apoE isoform phenotype. *J Lipid Res* 27:637-644, 1986.
- Pantuck EJ, Pantuck CB, Weissman C, Gil KM and Askanazi J: Stimulation of oxidative drug metabolism by parenteral refeeding of nutritionally depleted patients. *Gastroenterology* 89:241-245, 1985.
- Pincus MR and Brandt-Rauf PW: Structural effects of substitutions on the p21 proteins. *Proc Natl Acad Sci USA*, 82:3596-4300, 1985.
- Protein structure and cancer. *Cancer Invest* 4:185-195, 1986.
- Poh Fitzpatrick MB, Whitlock RT and Leftkowitz JH: Changes in protoporphyrin distribution dynamics during liver failure and recovery in a patient with protoporphyria and Epstein-Barr viral hepatitis. *Am J Med* 80:943-950, 1986.
- Pomerantz KB, Fleisher LN, Tall AR and Cannon PJ: Enrichment of endothelial cell arachidonate by lipid transfer from high density lipoproteins: relationship to prostaglandin I₂ synthesis. *J Lipid Res* 26:1269-1276, 1985.
- Pressley TA, Haber RS, Loeb JN, Edelman IS and Ismail-Beigi F: Stimulation of Na, K-activated adenosine triphosphatase and active transport by low external K⁺ in a rat liver cell line. *J Gen Physiol* 87:591-606, 1986.

- Presti S, Friedman D, Saslow J, Doyle EF, Butler VP, Smith TW and Haber E: Digoxin toxicity in a premature infant: treatment with Fab fragments of digoxin-specific antibodies. *Pediatr Cardiol* 6:91-93, 1985.
- Rango N: The nursing home resident with dementia. Clinical care, ethics, and policy implications. *Ann Intern Med* 102:835-841, 1985. The social epidemiology of accidental hypothermia among the aged. *Gerontologist* 25:424-430, 1985.
- Reemtsma K, Hardy MA, Drusin RE, Smith CR and Rose EA: Cardiac transplantation. Changing patterns in evaluation and treatment. *Ann Surg* 202:418-424, 1985.
- Rehr RB, Peshock RM, Malloy CR, Keller AM, Parkey RW, Buja LM, Nunnally RL and Willerson JT: Improved in vivo magnetic resonance imaging of acute myocardial infarction after intravenous paramagnetic contrast agent administration. *AM J Cardiol* 57:864-868, 1986.
- Reiffel JA: Transcatheter ablation: safety and convenience modifications [letter]. *Am Heart J* 110:1326, 1985.
- Reiffel JA, Bigger JT, Ferrick K, Livelli FD Jr, Gliklich J, Wang P and Bosner R: Sinus node echoes and concealed conduction: additional sinus node phenomena confirmed in man by direct sinus node electrography. *J Electrocardiol* 18:259-266, 1985.
- Reiffel JA, Coromilas J, Zimmerman JM and Spotnitz HM: Drug-device interactions: clinical considerations. *PACE* 8:369-373, 1985.
- Reiffel JA, Ferrick K, Zimmerman J and Bigger JT Jr: Electrophysiologic studies of the sinus node and atria. *Cardiovasc Clin* 16:37-59, 1985.
- Reiffel JA, Wang P, Bower R, Bigger JT Jr, Livelli F Jr, Ferrick K, Gliklich J and Zimmerman J: Electrophysiologic testing in patients with recurrent syncope: are results predicted by prior ambulatory monitoring? *Am Heart J* 110:1146-1153, 1985.
- Renner F, Samuelson A, Rogers M and Glickman RM: Effect of saturated and unsaturated lipid on the composition of mesenteric triglyceride-rich lipoproteins in the rat. *J Lipid Res* 27:72-81, 1986.
- Rideout DC, Lambert M, Kendall DA, Moe GR, Osterman DG, Tao HP, Weinstein IB and Kaiser ET: Amphiphilic cationic peptides mediate cell adhesion to plastic surfaces. *J Cell Physiol* 124:365-371, 1985.
- Rodriguez JL, Askanazi J, Weissman C, Hensle TW, Rosenbaum SH and Kinney JM: Ventilatory and metabolic effects of glucose infusions. *Chest* 88:512-518, 1985.
- Rutgers JL, Wiczorek R, Bonetti F, Kaplan KL, Posnett DN, Friedman Kien AE and Knowles DM2d: The expression of endothelial cell surface antigens by AIDS-associated Kaposi's sarcoma. Evidence for a vascular endothelial cell origin. *Am J Pathol* 122:493-499, 1986.
- Santella RM, Hsieh LL, Lin CD, Viet S and Weinstein IB: Quantitation of exposure to benzo[a]pyrene with monoclonal antibodies. *Environ Health Perspect* 62:95-99, 1985.
- Saraiva MJ, Costa PP and Goodman DS: Biochemical marker in familial amyloidotic polyneuropathy, Portuguese type. Family studies on the transthyretin (prealbumin)-methionine-30 variant. *J Clin Invest* 76:2171-2177, 1985.
- Sasaki N, Rees-Jones RW, Zick Y, Nissley SP and Rechler MM: Characterization of insulin-like growth factor I-stimulated tyrosine kinase activity associated with the beta-subunit of type I insulin-like growth factor receptors of rat liver cells. *J Biol Chem* 260:9793-9804, 1985.
- Schaefer EJ and Levy RI: Pathogenesis and management of lipoprotein disorders. *N Engl J Med* 312:1300-1310, 1985.
- Schulman LL and Grimes MM: Metastatic Kaposi's sarcoma and bilateral chylothorax. *NY State J Med* 86:205-206, 1986.
- Schwartz GJ and Al-Awqati Q: Regulation of transepithelial H⁺ transport by exocytosis and endocytosis. *Annu Rev Physiol* 48:153-161, 1986.
- Schwartz GJ, Barasch J and Al-Awqati Q: Plasticity of functional epithelial polarity. *Nature* 318:368-371, 1985.
- Schwarzberg RJ, Seldin DW, Alderson PO and Johnson LL: Peak regional acceleration: a method to identify subtle regional ventricular dysfunction from gated blood pool scans at rest in patients with coronary artery disease. *J Am Coll Cardiol* 6:589-596, 1985.
- Scully BE, Ores CN, Prince AS and Neu HC: Treatment of lower respiratory tract infections due to *Pseudomonas aeruginosa* in patients with cystic fibrosis. *Rev Infect Dis* 74:S669-S674, 1985.
- Shane E and Bilezikian JP: Parathyroid carcinoma. In: *Current Therapy in Endocrinology and Metabolism*, Krieger DT and Bardin CW Eds.: BC Decker, Inc., Philadelphia 347-349, 1985.
- Shane E, Yeh M, Feigin AS, Owens JM and Bilezikian JP: Reticulocyte cytosol activator protein: effects on the stimulatory and inhibitory regulatory proteins of adenylate cyclase. *Endocrinology* 117:264-270, 1985. Cytosol activator protein from rat reticulocytes requires the stimulatory guanine nucleotide-binding protein for its actions on adenylate cyclase. *Endocrinology* 117:255-263, 1985.
- Shedlovsky A, Guenet JL, Johnson LL and Dove WF: Induction of recessive lethal mutations in the T/t-H-2 region of the mouse genome by a point mutagen. *Genet Res* 47:135-142, 1986.
- Sherwood JB, Goldwasser E, Chilcote R, Carmichael LD and Nagel RL: Sickle cell anemia patients have low erythropoietin levels for their degree of anemia. *Blood* 67:46-49, 1986.
- Shorofsky SR, Field M and Fozzard HA: Changes in intracellular sodium with chloride secretion in dog tracheal epithelium. *Am J Physiol* 250:C646-C650, 1986.
- Simchon S, Chen RY, Carlin RD, Fan FC, Jan KM and Chien S: Effects of blood viscosity on plasma renin activity and renal hemodynamics. *Am J Physiol* 250:F40-F46, 1986.
- Simon J, Young JL, Blood DK, Segal KR, Case RB and Gutin B: Plasma lactate and ventilation thresholds in trained and untrained cyclists. *J Appl Physiol* 60:777-781, 1986.
- Slater EE, Katzen HM, Nutt RF, Saperstein R and Steelman SL: The effects of somatostatin and selected analogs on lipid absorption in animals. *Adv Exp Med Biol* 188:355-368, 1985.
- Smith FR and Ackers GK: Experimental resolution of cooperative free energies for the ten ligation states of human hemoglobin. *Proc Natl Acad Sci USA*, 82:5347-5351, 1985.
- Sobol RE, Mick R, LeBien TW, Ozer H, Minowada J, Anderson K, Ellison RR, Cuttner J, Morrison A, Richards F2d and et al: The reproducibility of acute lymphoblastic leukemia phenotype determinations: evaluation of monoclonal antibody and conventional hematopoietic markers. *Leuk Res* 10:481-485, 1986.
- Sobol RE, Royston I, LeBien TW, Minowada J, Anderson K, Davey FR, Cuttner J, Schiffer C, Ellison RR and Bloomfield CD: Adult acute lymphoblastic leukemia phenotypes defined by monoclonal antibodies. *Blood* 65:730-735, 1985.
- Solomon DH, O'Brien CA and Weinstein IB: N-alpha-Tosyl-L-lysine chloromethyl ketone and N-alpha-tosyl-L-phenylalanine chloromethyl ketone inhibit protein kinase C. *FEBS Lett* 190:342-344, 1985.
- Soprano DR, Herbert J, Soprano KJ, Schon EA and Goodman DS: Demonstration of transthyretin mRNA in the brain and other extrahepatic tissues in the rat. *J Biol Chem* 260:11793-11798, 1985.
- Soprano DR, Soprano KJ and Goodman DS: Retinol-binding protein messenger RNA levels in the liver and in extrahepatic tissues of the rat. *J Lipid Res* 27:166-171, 1986.

- Stabler SP, Marcell PD, Podell ER, Allen RH and Lindenbaum J: Assay of methylmalonic acid in the serum of patients with cobalamin deficiency using capillary gas chromatography-mass spectrometry. *J Clin Invest* 77:1606-1612, 1986.
- Steinberg SF, Chow YK and Bilezikian JP: Regulation of rat heart membrane adenylate cyclase by magnesium and manganese. *J Pharmacol Exp Ther* 237:764-772, 1986.
- Steinberg SF, Drugge ED, Bilezikian JP and Robinson RB: Acquisition by innervated cardiac myocytes of a pertussis toxin-specific regulatory protein linked to the alpha 1-receptor. *Science* 230:186-188, 1985.
- Sterling K: Direct thyroid hormone activation of mitochondria: the role of adenine nucleotide translocase. *Endocrinology* 119:292-295, 1986.
- Tabas I, Weiland DA and Tall AR: Unmodified low density lipoprotein causes cholesteryl ester accumulation in J774 macrophages. *Proc Natl Acad Sci USA*, 82:416-420, 1985.
Inhibition of acyl coenzyme A: cholesterol acyl transferase in J774 macrophages enhances down-regulation of the low density lipoprotein receptor and 3-dihydroxy-3-methylglutaryl-coenzyme A reductase and prevents low density lipoprotein-induced cholesterol accumulation. *J Biol Chem* 261:3147-3155, 1986.
- Takatsu M, Hays AP, Latov N, Abrams GM, Nemni R, Sherman WH, Nobile Orazio E, Saito T and Freddo L: Immunofluorescence study of patients with neuropathy and IgM M proteins. *Ann Neurol* 18:173-181, 1985.
- Tall AR: Metabolism of postprandial lipoproteins. *Methods Enzymol* 129:469-482, 1986.
Plasma lipid transfer proteins. *J Lipid Res* 27:361-367, 1986.
- Tall AR, Krumholz S, Olivecrona T and Deckelbaum RJ: Plasma phospholipid transfer protein enhances transfer and exchange of phospholipids between very low density lipoproteins and high density lipoproteins during lipolysis. *J Lipid Res* 26:842-851, 1985.
- Tall AR, Tabas I and Williams KJ: Lipoprotein-liposome interactions. *Methods Enzymol* 128:647-657, 1986.
- Taub RN, Hindenburg AA and Baker MA: Regeneration of membrane sialic acid after neuraminidase treatment of leukemic granulocytes. *Leuk Res* 9:507-510, 1985.
- Turino GM: The lung parenchyma—a dynamic matrix. *J. Burns Amberson lecture. Am Rev Respir Dis* 132:1324-1334, 1985.
- van Adelsberg J and Al-Awqati Q: Regulation of cell pH by Ca²⁺-mediated exocytotic insertion of H⁺ - ATPases. *J Cell Biol* 102:1638-1645, 1986.
- Wagner DD, Mayadas T, Urban Pickering M, Lewis BH and Marder VJ: Inhibition of disulfide bonding of von Willebrand protein by monensin results in small, functionally defective multimers. *J Cell Biol* 101:112-120, 1985.
- Wang P, Reiffel JA, Zimmerman J, Livelli F Jr, Gliklich J, Ferrick K, Bigger JT Jr and Noethling P: Usefulness of atrioventricular nodal Wenckebach periodicity in predicting sinus nodal entrance block during atrial pacing. *Am J Cardiol* 57:183-184, 1986.
- Wardlaw SL, Wang PJ and Frantz AG: Regulation of beta-endorphin and ACTH in brain by estradiol. *Life Sci* 37:1941-1947, 1985.
- Warner NJ, Barnard JT and Bigger JT Jr: Tissue digoxin concentrations and digoxin effect during the quinidine-digoxin interaction. *J Am Coll Cardiol* 5:680-686, 1985.
- Watson RM, Markle DR, McGuire DA, Vitale D, Epstein SE and Patterson RE: Effect of verapamil on pH of ischemic canine myocardium. *J Am Coll Cardiol* 5:1347-1354, 1985.
- Weinstein IB: Cell culture studies on the mechanism of action of chemical carcinogens and tumor promoters. *Carcinog Compr Surv* 10:177-187, 1985.
- Weinstein IB, Arcoleo J, Lambert M, Hsiao W, Gattoni CelliS, Jeffrey AM and Kirschmeier P: Mechanisms of multistage chemical carcinogenesis and their relevance to respiratory tract cancer. *Carcinog Compr Surv* 8:395-409, 1985.
- Weissman C, Askanazi J, Forse RA, Hyman Ai, Milic Emili J and Kinney JM: The metabolic and ventilatory response to the infusion of stress hormones. *Ann Surg* 203:408-412, 1986.
- Weissman C, Askanazi J, Rosenbaum SH, Damask MC, Hyman Ai and Kinney JM: Response to tubular airway resistance in normal subjects and postoperative patients. *Anesthesiology* 64:353-358, 1986.
- Weissman C, Damask MC, Askanazi J, Rosenbaum SH and Kinney JM: Evaluation of a non-invasive method for the measurement of metabolic rate in humans. *Clin Sci* 69:135-141, 1985.
- Weissman C, Goldstein S, Askanazi J, Rosenbaum SH, Milic Emili J and Kinney JM: Semistarvation and exercise. *J Appl Physiol* 60:2035-2039, 1986.
- Weissman C, Kemper M, Askanazi J, Hyman Ai and Kinney JM: Resting metabolic rate of the critically ill patient: measured versus predicted. *Anesthesiology* 64:673-679, 1986.
- Weissman C, Kemper M, Elwyn DH, Askanazi J, Hyman Ai and Kinney JM: The energy expenditure of the mechanically ventilated critically ill patient. An analysis. *Chest* 89:254-259, 1986.
- Weitz JI, Koehn JA, Canfield RE, Landman SL and Friedman R: Development of a radioimmunoassay for the fibrinogen-derived peptide B beta 1-42. *Blood* 67:1014-1022, 1986.
- Wilcox AJ, Weinberg CR, Wehmann RE, Armstrong EG, Canfield RE and Nisula BC: Measuring early pregnancy loss: laboratory and field methods. *Fertil Steril* 44:366-374, 1985.
- Williams KJ and Scanu AM: Uptake of endogenous cholesterol by a synthetic lipoprotein. *Biochim Biophys Acta* 875:183-194, 1986.
- Wong SM and Chase HS Jr: Role of intracellular calcium in cellular volume regulation. *Am J Physiol* 250:C841-C852, 1986.
- Worman HJ, Brasitus TA, Dudeja PK, Fozzard HA and Field M: Relationship between lipid fluidity and water permeability of bovine tracheal epithelial cell apical membranes. *Biochemistry* 25:1549-1555, 1986.
- Worman HJ and Field M: Osmotic water permeability of small intestinal brush-border membranes. *J Membr Biol* 87:233-239, 1985.
- Young C, Prince AS and Figurski DH: korA function of promiscuous plasmid RK2: an autorepressor that inhibits expression of host-lethal gene kila and replication gene trfA. *Proc Natl Acad Sci US*, 82:7374-7378, 1985.
- Young K, Donovan-Peluso M, Cubbon R and Bank A: Trans acting regulation of beta globin gene expression in erythroleukemia (K562) cells. *Nucleic Acids Res* 13:5203-5213, 1985.
- Young K, Margulies L, Donovan-Peluso M, Clyne J, Driscoll MC, Dobkin C, Leibowitz D, Russo G, Schiliro G and Bank A: Structure and expression of two beta genes in a beta thalassemia homozygote. *J Mol Appl Genet* 3:1-6, 1985.

- Barnett HJM, Mohr JP, Stein BM, Yatsu FM (Editors). *Stroke*, Churchill-Livingstone, NY, 1986.
- Blitzer A, Brin MF, Fahn S, Lange D, Lovelace RE. Botulinum toxin for the treatment of spastic dysphonia. *Laryngoscope* 96:1300-1301, 1986.
- Breakefield XO, Bressman SB, Kramer PL, Ozelius L, Moskowitz C, Tanzi R, Brin MF, Hobbs W, Kaufman D, Tobin A, Kidd KK, Fahn S, Gusella JF. Linkage analysis in a family with dominantly-inherited torsion dystonia; exclusion of the pro-opiomelanocortin and glutamic acid decarboxylase genes and other chromosomal regions using DNA polymorphisms. *J Neurogenet* 3:159-175, 1986.
- Bressman S, Fahn S. Essential myoclonus. In: *Advances in Neurology: Myoclonus*, Vol. 43, Fahn S, Marsden CD, Van Woert MH (Editors). Raven Press, NY, pp 287-294, 1986.
- Bressman S, Fahn S, Eisenberg M, Brin M, Maltse WA. Biotin-responsive encephalopathy with myoclonus, ataxia and seizures. In: *Advances in Neurology: Myoclonus* Vol. 43, Fahn S, Marsden CD, Van Woert MH (Editors). Raven Press, NY pp 119-125, 1986.
- Brin MF, Bressman SB, Fahn S, Resor SR, Weitz J, Sagman DL. Chorea-acanthocytosis: clinical and laboratory features in 5 cases. *Neurology (Suppl 1)* 35:110, 1985.
- Brin MF, Fahn S, Bressman SB, Burke RE. Dystonia precipitated by peripheral trauma. *Neurology (Suppl 1)* 36:119, 1986.
- Brin MF, Fahn S, Moskowitz CB, Blitzer A, Friedman A, Shale HM, Greene PE, List T, Lovelace RE. Injections of botulinum toxin for the treatment of focal dystonia. *Neurology (Suppl 1)* 36:120, 1986.
- Brin MF, Gregg RE, Pedley TA, Lovelace RE, Wichman A, Behrens MM, Gouras P, MacKay C, Kayden JH, Baker H, Levy J. Vitamin E deficiency and neurologic disease: clinical and electrophysiologic evaluation in 25 patients. *J Neurol (Suppl)* 232:180, 1985.
- Brin MF, Ozelius L, de Leon D, Seeley R, Amos J, Warburton D, Fahn S, Bressman SB, Wasmuth J, Kramer P, Kidd K, Gusella J, Breakefield XO. Dystonia symptoms in a female with 45,XX,-18,-21,+der t(18:21)(18q21q)mat and exclusion of regions of chromosome 18 in another family with autosomal dominant dystonia. *Amer J Hum Genet (Suppl 2)* 39:A190, 1986.
- Brin MF, Pedley TA, Lovelace RE, Emerson RG, Gouras P, MacKay C, Kayden HJ, Levy J, Baker H. Electrophysiological features of abetalipoproteinemia: functional consequences of vitamin E deficiency. *Neurology* 36:669-673, 1986.
- Brin MF, Traber MG. Vitamin E deficiency and neurological disease. *Laboratory Management* 23:57-67, 1985.
- Brust JCM. Syndrome of the anterior cerebral artery. In: *Stroke. Pathophysiology, Diagnosis and Management*, Barnett HJM, Mohr JP, Stein BM, Yatsu FM (Editors). Churchill Livingstone, NY, pp 351-375, 1986.
- Drug abuse and stroke. In: *Stroke. Pathophysiology, Diagnosis and Management*, Barnett HJM, Mohr JP, Stein BM, Yatsu FM (Editors). Churchill Livingstone, NY, pp 903-920, 1986.
- Burke RE. Gallamine binding to muscarinic M1 and M2 receptors, studied by inhibition of (³H) Pirenzepine and (³H) Quinuclidinylbenzilate binding to rat brain membranes. *Mol Pharmacol* 30:58-68, 1986.
- Burke RE, Fahn S, Brin MF, Bressman SB, Moskowitz C. The clinical course of autosomal dominant torsion dystonia. *Neurology (Suppl 1)* 35:273, 1985.
- Burke RE, Fahn S, Marsden CD. Torsion dystonia: a double-blind, prospective trial of high-dosage trihexphenidyl. *Neurology* 36:160-164, 1986.
- Burke RE, Greenbaum D. The effect of post-mortem factors on muscarinic receptor subtypes. *Soc Neurosci (Abstract)* 12:1249, 1986.
- Cafferty MS, Hays A, Di Mauro S, Lovelace RE, Rowland LP. Adult polyglucosan body disease. *Muscle Nerve (Suppl 5S)*:134, 1986.
- Caplan LP, Kelly M, Kase CS, Hier DB, White JL, Tatemichi TR, Mohr JP, Price TR, Wolf PA. Infarcts of the inferior division of the right middle cerebral artery: mirror image of Wernicke's aphasia. *Neurology* 36:1015-1020, 1986.
- Cashman NR, Antel JP, Hancock LW, Dawson G, Horwitz AL, Johnson WG, Huttenlocher PR, Wollman RL. N-acetyl-beta-hexosaminidase beta-locus defect and juvenile motor neuron disease: a case study. *Ann Neurol* 19:568-572, 1986.
- Chang HW, Niebroj-Dobosz I, Bock E, Miranda AF, Bonilla E. Monoclonal antibodies against two molecular species of acetylcholinesterase from *Torpedo californica* and their cross-reactivities with human acetylcholinesterase. *Muscle Nerve* 9S:143, 1986.
- Clemens TL, Zhou Xy, Pike JW, Haussler MR, Sloviter RS. 1,25 dihydroxyvitamin D receptor and vitamin D-dependent calcium binding protein in rat brain: comparative immunocytochemical localization. In: *Vitamin D. Chemical, Biochemical and Clinical Update*. de Gruyter & Co., Berlin, pp 95-96, 1985.
- Culicchia F, Tatemichi TK, Mohr JP, Hier DB, Price TR, Wolf PA, Kunitz SC. Hematocrit and acute stroke: The NINCDS Stroke Data Bank. Presented at the 38th annual meeting, American Academy of Neurology, New Orleans, April 28, 1986. *Neurology (Suppl)* 36:139, 1986.
- de Leon D, Bressman SB, Brin MF, Fahn S, Risch N. Inheritance of idiopathic torsion dystonia in the Askenazim. *Am J Hum Genet (Suppl 2)* 39:A58, 1986.
- Den H, Shanske S, DiMauro S. Targeting of lysosomal enzymes: N-acetylglucosamine-1-phosphotransferase during muscle development. *Muscle Nerve* 9:261-264, 1986.
- De Vivo DC. Reye syndrome and associated metabolic encephalopathies. In: *Pediatric Neurology*, Fishman M (Editor). Grune & Stratton Publishing, NY, pp 203-217, 1986.
- Disorders of the neuromuscular system. In: *Pediatric Neurology*, Fishman M (Editor). Grune & Stratton Publishing, NY, pp 111-135, 1986.
- Do animals develop Reye syndrome? *J Natl Reye Synd Fdn* 6:17-37, 1986.
- De Vivo DC, Tress E, DiMauro S. Cultured human skin fibroblasts and cerebral oxidative metabolic defects: normative data and Leigh's syndrome. *Ann Neurol (Abstract)* 20:423-4, 1986.
- de Yebenes JG, Voulters L, Jackson-Lewis V, Lovelle S, Fahn S. Reversal of reserpine-induced akinesia by intraventricular infusion of dopamine. *Neurology (Suppl 1)* 36:77, 1986.
- de Yebenes JG, Voulters L, Jackson-Lewis V, Alter E, Lovelle S, Fahn S. The effect of intraventricular dopamine infusion in 6-OH-DA lesioned rats on contralateral rotation, dopamine levels, and dopamine receptors in striatum. *Neurology (Suppl 1)* 36:77-78, 1986.
- DiMauro S, Bresolin N. Phosphorylase deficiency. In: *Myology*, Vol. 2, Engel AG, Banker BQ (Editors). McGraw-Hill, NY, pp 1585-1601.
- DiPaola M, Kao PN, Karlin A. Residues at the acetylcholine binding site and at a noncompetitive inhibitor binding site may be contained in a single functional domain of the receptor alpha subunit. *Soc Neurosci (Abstract)* 12:961, 1986.
- Emerson RG, Pavlakis SG, Carmel PC, De Vivo DC. Use of spinal somatosensory evoked potentials in the diagnosis of tethered cord. *Ann Neurol (Abstract)* 20:443-4, 1986.
- Emerson RG, Pedley TA. Effects of cervical spinal cord lesions on early components of the median nerve somatosensory evoked potential. *Neurology* 36:20-36, 1986.

- Emerson RG, Sgro JA, Pedley TA, Stein BM. A new real-time evoked potential system for neurosurgical monitoring. *Electroencephalogr Clin Neurophysiol* (Abstract) 64:38P, 1986.
- Eppler CM, Bayley H, Greenberg SM, Schwartz JH. Structural studies on a family of cAMP-binding proteins in the nervous system of Aplysia. *J Cell Biol* 102:320-331, 1986.
- Erlanger BF, Cleveland WL, Wassermann NH, Ku HH, Hill BL, Wan KK, Sarangarajan R, Penn AS. The auto-anti-idiotypic route to anti-receptor antibodies. *NY Acad Sci* 475:219-225, 1986.
- Fahn S. Newer drugs for posthypoxic action myoclonus: observations for a well-studied case. In: *Advances in Neurology: Myoclonus*, Vol 43, Fahn S, Marsden CD, Van Woert MH (Editors). Raven Press, NY, pp 197-199, 1986.
- Posthypoxic action myoclonus: literature review update. In: *Advances in Neurology: Myoclonus*, Vol. 43, Fahn S, Marsden CD, Van Woert MH (Editors). Raven Press, NY, pp 157-169, 1986.
- Parkinson's disease and other basal ganglion disorders. In: *Diseases of the Nervous System: Clinical Neurobiology*, Asbury AK, McKhann GM, McDonald WI (Editors). Ardmore Medical Books, Philadelphia, pp 1217-1228, 1986.
- Dystonia—diagnosis, classification and therapy. *Upsala J Med Sci* (Suppl) 43:98, 1986.
- Fahn S, List T, Moscovitz C, Brin MF, Bressman S, Burke R, Scott A. Double-blind controlled study of botulinum toxin for blepharospasm. *Neurology* (Suppl 1) 35:271, 1985.
- Fahn S, Marsden CD. Editorial: A new society, a new journal, and a new medium. *Movement Disorders* 1:1-2, 1986.
- Editorial: The video medium creates new responsibilities and opportunities. *Movement Disorders* 1:91-92, 1986.
- Fahn S, Marsden CD, Jenner P, Teychenne P (Editors): *Recent Developments in Parkinsonism*. Raven Press, NY, 1986.
- Fahn S, Marsden CD, Van Woert MH (Editors): *Advances in Neurology: Myoclonus*, Vol. 43. Raven Press, NY, 1986.
- Definition and clinical classification of myoclonus. In: *Advances in Neurology: Myoclonus*, Vol. 43, Fahn S, Marsden CD, Van Woert MH (Editors). Raven Press, NY, pp 1-5, 1986.
- Fernandez RJ, Civantos F, Tress E, Maltese WA, De Vivo DC. Normal fibroblast mitochondrial malic enzyme activity in Friedreich's ataxia. *Neurology* 36:864-867, 1986.
- Freddo L, Sherman WH, Latov N. Glycosaminoglycan antigens in peripheral nerve; studies with antibodies from a patient with neuropathy and monoclonal gammopathy. *J Neuroimmunol* 12:57-64, 1986.
- Freddo L, Yu RK, Latov N, Donofrio PD, Hays AP, Greenberg HS, Albers JW, Alessi AG, Keren D. Gangliosides GM1 and Gd1b are antigens for IgM M-protein in a patient with motor neuron disease. *Neurology* 36:454-458, 1986.
- Friedman A, Fahn S. Spontaneous remissions in spasmodic torticollis. *Neurology* 36:398-400, 1986.
- Friedman A, Kang U, Tatemichi TK, Burke RE. A case of Parkinsonism following striatal lacunar infarction. *J. Neurol Neurosurg Psychiatr* 49:1087-1088, 1986.
- Furth ME, Swanson ME, Aldrich TA, Elste AM, Greenberg SM, Schwartz JH. Abundant expression of a ras protein in Aplysia neurons. Symposium on G-Proteins and Signal Transduction, Cold Spring Harbor, NY, 1986.
- Goebel HH, Bardosi A, Conrad B, Kuhlendahl HD, DiMauro S, Rumpf KW. Myoadenylate deaminase deficiency. *Klin Wochenschr* 64:342-347, 1986.
- Gotoh H, Schwartz JH, Elste AM, Shapiro E. Uptake, synthesis, storage, and transport of histamine in an identified Aplysia neuron, C2. International Union of Physiological Sciences, Axonal Transport Conference Satellite, Calgary, Canada, 1986.
- Greenberg SM, Bayley H, Castellucci VF, Schwartz JH. Loss of the regulatory subunit of the cyclic AMP-dependent protein kinase in Aplysia neurons after sensitizing treatments. *Soc Neurosci* (Abstract) 12:1339, 1986.
- Hassan MN, Higgins D, Traub M, Fahn S. Chronic treatment with bromocriptine induces behavioral supersensitivity in rats. *Life Sci* 19:513-518, 1986.
- Hassan MN, Reches A, Kuhn C, Higgins D, Fahn S. Pharmacologic evaluation of dopaminergic receptor blockade by metoclopramide. *Clin Neuropharmacol* 9:71-78, 1986.
- Herbert J, Wilcox JN, Pham K-TC, Fremereau RT, Zeviani M, Dwork A, Soprano DR, Makover A, Goodman DS, Zimmerman EA, Roberts JL, Schon EA. Transthyretin: a choroid plexus-specific transport protein in human brain. The 1986 S. Weir Mitchell Award. *Neurology* 36:900-911, 1986.
- Hilal SK, Mohr JP. MR imaging. In: *Acute Brain Ischemia Medical and Surgical Therapy*, Battistini N, Fiorani P, Courbier R, Plum F, Fieschi C (Editors). Raven Press, NY, pp 133-138, 1986.
- Jankovic J, Fahn S. The phenomenology of tics. *Movement Disorders* 1:17-26, 1986.
- Johnson WG. Hexosaminidase deficiencies and neuromuscular diseases. *Muscle Nerve* 9 (Suppl 5S):70, 1986.
- Molecular genetics of human disorders with known gene product. *Int J Developmental Neurosci* 4 (Suppl 1):S45, 1986.
- Johnson WG, Hong JL. Variation in alpha-L-fucosidase properties among 28 inbred mouse strains—six strains have high enzyme activity and heat-stable enzyme with variant pH-activity curve; 22 strains have low activity and heat-labile enzyme. *Biochem Genet* 24:469-483, 1986.
- Johnson WG, Hong JL, Knights SM. Variation in ten lysosomal hydrolase enzyme activities in inbred mouse strains. *Biochem Genet* 24:891-910, 1986.
- Kang UJ, Burke RE, Fahn S. Natural history and treatment of tardive dystonia. *Neurology* (Suppl 1) 36:121, 1986.
- Kao PN, Karlin A. Disulfide crosslink between adjacent half-cystinyl residues at the acetylcholine binding site. *Biophys J* 49:5a, 1986.
- Acetylcholine receptor binding site contains a disulfide crosslink between adjacent half-cystinyl residues. *J Biol Chem* 261:8085-8088, 1986.
- Kaplan JG, Park DR, Horoupian DS, Brin MF, Schaumburg IHH. Gluten enteropathy causes distal axonopathy with normal vitamin E levels. *Neurology* (Suppl 1) 36:176, 1986.
- Karlin A, Cox RN, DiPaola M, Holtzman E, Kao PN. Functional domains of the nicotinic acetylcholine receptor. In the Second Colloquium in Biological Sciences. *Ann NY Acad Sci* 463:53-69, 1986.
- Karlin A, Kao PN, DiPaola M. Molecular pharmacology of the nicotinic acetylcholine receptor. *Trends Pharmacol Sci* 7:304-308, 1986.
- Kase CS, White JL, Joslyn JN, Williams JP, Mohr JP. Cerebellar infarction in the superior cerebellar artery distribution. *Neurology* 35:704-711, 1985.
- Kavey N, Gidro-Frank S, Brin MF, Fahn S. Disordered sleep in a retired professional boxer. In: *Sleep research*, Chase MH, McGinty DJ, Wilder-Jones R (Editors). Brain Information Services/Brain Research Institute, UCLA 14:240, 1985.
- Kawai H, Zeviani M, DiMauro S. Purification of cytochrome c oxidase from human heart and skeletal muscles and comparison of subunits by SDS-polyacrylamide gel electrophoresis. *Progress in Medicine* 13:109-110, 1986.
- Kay AR, Miles R, Wong RKS. Intracellular fluoride alters the kinetic properties of calcium currents facilitating the investigation of synaptic events in hippocampal neurons. *J Neurosci* 6:2915-2920, 1986.

- Kay A, Wong RKS. Isolation of neurons suitable for patch-clamping from adult mammalian central nervous system. *J Neurosci Methods* 16:227-238, 1986.
- Klayman TR, Yulo T, Ashbaugh C, Landry D, Cragoe E, Karlin A, Al-Awqati Q. Photoaffinity labeling of the epithelial sodium channel. *J Biol Chem* 261:2839-2843, 1986.
- Knowles WD, Strowbridge BW, Traub RD. Initiation and spread of epileptiform bursting in the hippocampal slice. *Soc Neurosci (Abstract)* 11:1230, 1985.
- Knowles WD, Tesche CD, Krusin-Elbaum L, Traub RD. SQUID measurements of magnetic fields generated by the in vitro hippocampal slice. *Soc Neurosci (Abstract)* 12:850, 1986.
- Lange DJ, Fetell MR, Lovelace RE, Rowland LP. The floppy head syndrome. *Ann Neurol (Abstract)* 20:133, 1986.
- Legatt AD, Pedley TA, Emerson RG, Stein BM, Abramson M. Normal short-latency auditory evoked potentials with abnormal latency-intensity studies in patients with acoustic neuromas. *Neurology (Suppl. 1)* 36:322, 1986.
- Legatt AD, Pedley TA, Emerson RG, Stein BM, Abramson M, Dowling K, Gallo E. Electrophysiological monitoring of 7th and 8th nerve function during surgery for acoustic neuromas. *Electroencephalogr Clin Neurophysiol (Abstract)* 64:30P, 1986.
- Maltese WA, Aprille JR. Relation of mevalonate synthesis to mitochondrial ubiquinone content and respiratory function in cultured neuroblastoma cells. *J Biol Chem* 260:11524-11429, 1985.
- Maltese WA, Defendini R, Green RA, Sheridan KM, Donley DK. Suppression of murine neuroblastoma growth in vivo by mevionol, a competitive inhibitor of 3-hydroxy-3-methylglutaryl coenzyme A reductase. *J Clin Invest* 76:1748-1754, 1985.
- Maltese WA, Sheridan KM. Differentiation of neuroblastoma cells induced by an inhibitor of mevalonate synthesis: relation of neurite outgrowth and acetylcholinesterase activity to changes in cell proliferation and blocked isoprenoid synthesis. *J Cell Physiol* 125:540-558, 1985.
- Subcellular distribution of proteins labeled with mevalonate in cultured cells exposed to an inhibitor of 3-hydroxy-3-methylglutaryl coenzyme A reductase. *Fed Proc (Abstract)* 45:1974, 1986.
- Marler JR, Price TR, Robertson TL, Muller JE, Clark GL, Mohr JP, Hier DB, Wolf PA, Caplan LC. Stroke occurrence greatest from 9 AM to noon. Presented at the 38th annual meeting, American Academy of Neurology, New Orleans, April 28, 1986. *Neurology (Suppl)* 36:141, 1986.
- Mayeux R, Stern Y. Clinical heterogeneity in patients with dementia of the Alzheimer-type. In: *Alzheimer's and Parkinson's Disease: Strategies for Research and Development*, Fisher A, Hanin I, Lackman L (Editors). Plenum Press, NY, 129-34, 1986.
- Mayeux R, Stern Y, Williams JBW, Frantz A, Cote LJ, Dyrenturth I. Clinical and biochemical features of depression in Parkinson's Disease. *Am J Psychiat* 143:756-9, 1986.
- McIntyre DC, Wong RKS. Modification of local neuronal interactions by amygdala kindling examined in vitro. *Exp Neurol* 88:529-537, 1985.
- Cellular and synaptic properties of the amygdala kindled pyriform cortex. *J Neurophysiol* 55:1295-1307, 1986.
- Miles R. Frequency dependence of synaptic transmission in the nucleus of the solitary tract in vitro. *J Neurophysiol* 55:1076-1090, 1986.
- Miles R, Wong RKS. Excitatory synaptic interactions between CA3 neurons in the guinea pig hippocampus. *J Physiol* 373:397-418, 1986.
- Excitatory synaptic connections between CA3 pyramidal cells are revealed when synaptic inhibition is suppressed in vitro. *J Physiol* 372:25-27P, 1986.
- Mohr JP. Stroke data banks. *Stroke* 17:171-172, 1986.
- Lacunar stroke. *Clinocopathological conference. Hypertension* 8:349-356, 1986.
- Acquired disorders of language. In: *Diseases of the Nervous System*, Vol. 2, Asbury AK, McKhann GM, MacDonald I (Editors). Pergamon Press, NY, pp 816-828, 1986.
- Clinical worsening in acute stroke. In: *Acute Brain Ischemia Medical and Surgical Therapy*, Battistini N, Fiorani P, Courbier R, Plum F, Fieschi C (Editors). Raven Press, NY, pp 173-178, 1986.
- Olarte MR, Shafer S. Levamisole is ineffective in amyotrophic lateral sclerosis. *Neurology* 35:1063-65, 1985.
- Olney JW, Collins RC, Sloviter RS. Excitotoxic mechanisms of epileptic brain damage. In: *Advances in Neurology: Basic Mechanisms of the Epilepsies, Molecular and Cellular Approaches*, Vol. 44, Delgado-Escueta AV, Ward AA, Woodbury DM (Editors). Raven Press, NY, pp 857-877, 1986.
- Pavakis SG, Bello J, Ince C, Myer P, Cirella B, Hilal S, Mohr JP, Piomelli S, De Vivo DC. Sickle cell disease, MRI, and stroke. *Ann Neurol (Abstract)* 20:432, 1986.
- Pavakis SG, Prohovnik I, Ince C, Myer P, Cirella B, Mohr JP, Piomelli S, De Vivo DC. "Vascular" headache in sickle cell disease. *Ann Neurol (Abstract)* 20:407-8, 1986.
- Pedley TA. Epilepsy. In: *Textbook of Clinical Neurophysiology*, Halliday AM, Paul R, Butler S (Editors). John Wiley, NY, 1986.
- Treatment of focal and generalized seizures. In: *Current Therapy in Neurologic Disease*, Vol. 2, Johnson RT (Editor). BC Decker, Inc., Philadelphia, 1986.
- Pedley TA (Editor). *Epilepsy and Behavior. The fifth annual Merritt-Putnam Symposium, Epilepsia* 27 (Suppl 2), 1986.
- Pedley TA, Meldrum BS (Editors). *Recent Advances in Epilepsy*, Vol. 3, Churchill Livingstone, Edinburgh, 1986.
- Penn AS. Myoglobinuria. In: *Myology*, Engel AG, Banker BQ (Editors). McGraw Hill, NY, pp 1785-1805, 1986.
- Penn AS, Ascione M, Eggers A, Sadlock J. D-penicillamine initiates a T cell response to acetylcholine receptor. *Ann Neurol* 20:162, 1986.
- Penn AS, Sadlock JE, Braun EHP, Johnson L. Myosin is a major autoantigen in myasthenia with thymoma. *Neurology* 36:198, 1986.
- Penn AS, Schotland DL, Lammé S. Anti-muscle and anti-receptor antibodies in myasthenia gravis. *Muscle Nerve* 9:407-415, 1986.
- Petty GW, Lennihan L, Mohr JP, Hauser WA, Weitz J, Towey K. Complications of long term anticoagulation. Presented at the annual meeting, American Neurological Association, Boston, September 1986. *Ann Neurol (Abstract)* 20:157, 1986.
- Piomelli D, Feinmark S, Shapiro E, Schwartz JH. Stimulation of C2, an identified histaminergic Aplysia neuron, results in increased release of lipoxygenase metabolites of arachidonic acid: possible mediators of synaptic modulation. *Soc Neurosci (Abstract)* 12:1340, 1986.
- Piomelli S, Seamon C, Cirella B, Ince C, Meyer B, Pavakis SG, Schaeffer-Rego R, Bank A, Mears G. Does alpha thalassemia protect from early stroke in sickle cell anemia? *Pediatr Res (Abstract)* 20:285A, 1986.
- Pranzatelli MR. In vitro activity of antimyoclonic and anticonvulsant drugs at central serotonin 5-HT_{1A}, 5-HT_{1B}, and 5-HT₂ receptors in the rat. *Soc Neurosci (Abstract)* 12:362 (Part I), 1986.
- Pranzatelli MR, Rubin G, Snodgrass SR. Serotonin-lesion myoclonic syndromes. I. Neurochemical profile and 5HT₁ receptor binding. *Brain Res* 364:57-66, 1986.
- Pranzatelli MR, Snodgrass SR. Serotonin-lesion myoclonic syndromes. II. Analysis of individual syndrome elements, locomotor activity, and behavioral correlations. *Brain Res* 364:67-76, 1986.

- Fenfluramine therapy for autism. *J Aut Devop Disorders* 15:439-440, 1985.
- The pharmacology of myoclonus. *Clin Neuropharmacol* 8:99-130, 1985.
- Antimyoclonic properties of S-2 serotonin receptor antagonists in the rat. *Neuropharmacol* 25:5-12, 1986.
- Enhanced selective 5-HT depletions in the DHT rat model: denervation supersensitivity and recovery of function. *Psychopharmacol* 89:449-455, 1986.
- Motor habituation in the DHT model: bin analysis of daytime and nocturnal locomotor activity. *Pharmacol Biochem Behav* 24:1679-1686, 1986.
- Pranzatelli MR, Stumpf DA. The metabolic consequences of experimental intracranial hemorrhage. *Neurology* 35:1299-1303, 1985.
- Prohovnik L, Pavlakis S, De Vivo DC, Piomelli S. Sick cell disease, cerebral hyperemia and stroke. *Ann Neurol* 20:432, 1986.
- Prohovnik I, Smith G, Sackeim HA, Mayeux R, Stern Y. The early stages of presenile and senile Alzheimer's disease: initial studies of disease severity and cerebral blood flow. In: *Alzheimer's and Parkinson's disease: Strategies for Research and Development*, Fisher A, Hanin I, Lachman L (Editors). Plenum Press, NY, pp 233-39, 1986.
- Reches A, Traub M, Wagner HR, Jackson-Lewis V, Fahn S. Plasticity of rat striatal dopamine receptor. In: *Recent Developments in Parkinson's Disease*, Fahn S, Marsden CD, Jenner P, Teychenne P (Editors). Raven Press, NY, pp 229-238, 1986.
- Robinson RK, Richey ET, Kase CS, Mohr JP. Somatosensory evoked potentials in pure sensory stroke and allied conditions. *Stroke* 16:818-823, 1985.
- Rowland LP. Introduction. In: *Myology*, Engel AG, Banker BQ (Editors). McGraw Hill, NY, pp XIV-XVII, 1986.
- Neuromuscular diseases: the clinical impact of molecular genetics. *Muscle Nerve (Suppl 5S)*:19, 1986.
- Rowland LP, DiMauro S, Layzer RB. Phosphofructokinase deficiency. In: *Myology*, Engel AG, Banker BQ (Editors). McGraw Hill, NY, pp 1603-1617, 1986.
- Rowland LP, Layzer RB, DiMauro S. Pathophysiology of metabolic muscle disorders. In: *Diseases of the Nervous System*, Vol. 1, Asbury AD, McKhann GM, McDonald WI (Editors). Saunders, Philadelphia, pp 197-207, 1986.
- Rutledge JN, Hilal SK, Silver J, Brin MF, Cote LJ. Magnetic resonance imaging of movement disorders. *Radiology* 157:370, 1985.
- Sacco RL, Mohr JP, Barwick J, Wolf PA, Price TR, Hier DB, Tatemichi TK. Early recurrence of ischemic stroke: the NINCDS Stroke Data Bank. Presented at the XI Joint Cerebrovascular Conference, San Francisco, Feb. 7, 1986. *Stroke (Suppl)* 17:17, 1986.
- Sacco RL, Mohr JP, Tatemichi TK, Barwick J, Hier DB, Price TR, Wolf PA. reclassification of acute stroke with nondiagnostic computed tomography and angiogram: infarction of undetermined cause in the NINCDS Stroke Data Bank. Presented at the 111th annual meeting, American Neurological Association, Boston, September 1986. *Ann Neurol (Abstract)* 20:156, 1986.
- Sacktor TC, O'Brian CA, Weinstein IB, Schwartz JH. Translocation from cytosol to membrane of protein kinase C after stimulation of Aplysia neurons with serotonin. *Soc Neurosci (Abstract)* 12:1340, 1986.
- Salazar AM, Grafman J, Schlesselman S, Vance SC, Mohr JP, Carpenter M, Pevsner P, Ludlow C, Weingartner H. Penetrating war injuries of the basal forebrain: neurology and cognition. *Neurology* 36: 459-465, 1986.
- Salviati A, Johnson WG, Hong JL, Wu PM. A new system for study of beta-hexosaminidase (HEX) regulation. *Neurology* 36 (Suppl 1):301, 1986.
- Salviati A, Johnson WG, Wu PM, Davidson M. Isolation and characterization of a monoclonal antibody against the human beta-D-N-acetylhexosaminidase beta-subunit. *Int Congr Neuropathol*, 1986.
- Schwartz JH. Review of Bradford, HF, *Chemical neurobiology: an introduction to neurochemistry*, NY, WH Freeman & Co. Cell 45:327-328, 1986.
- Schwartz JH, Elste Am, Shapiro E, Gotoh H. Biochemical and morphological correlates of transmitter type in C2: an identified histaminergic neuron in Aplysia. *J Comp Neurol* 245:401-421, 1986.
- Servidei S, Zeviani M, DiMauro S, DiRocco M, De Vivo DC, DiDonato S, Uziel G, Berry KE, Norman MG, Hoganson G, Johnsen SD, Johnson PC. Cytochrome oxidase deficiency in Leigh syndrome. *Ann Neurol (Abstract)* 20:400, 1986.
- Sgro JA, Emerson RG. Phase synchronized triggering: a method for coherent noise elimination in evoked potential recording. *Electroencephalogr Clin Neurophysiol* 60:372-380, 1985.
- Sgro JA, Emerson RG, Pedley TA. Statistical outlier elimination—a method for reduction of the noise power of unaveraged evoked potential data. *Electroencephalogr Clin Neurophysiol (Abstract)* 64:41P, 1986.
- Reinvestigation of state-dependent changes in short-latency somatosensory evoked potentials. *Neurology (Suppl. 1)* 36:III, 1986.
- Shafer SQ, Stokman CJ, Shaffer D, Ng S K-C, O'Connor PA, Schonfeld IS. Ten-year consistency of neurological test performance in children without focal neurological deficit. *Dev Med Child Neurol* 28:417-27, 1986.
- Shaffer D, Schonfeld IS, O'Connor PA, Stokman C, Trautman P, Shaffer S, Ng S. Neurological soft signs and their relationship to psychiatric disorder and intelligence in childhood and adolescence. *Arch Gen Psychiatry* 42:342-51, 1985.
- Shaffer D, Stokman CJ, O'Connor PA, Shafer SQ, Barmack JE, Hess S, Spalten D, Schonfeld IS. Early soft neurological signs and later psychopathology. In: *Life-span Research on the Prediction of Psychopathology*, Erlenmeyer-Kimling L, Miller NE (Editors). Lawrence Earlbaum Assoc., Hillsdale, NJ, pp 31-48, 1986.
- Shale HM, Fahn S, Mayeux R. Tics in a patient with Parkinson's disease. *Movement Disorders* 1:79-83, 1986.
- Shale HM, Truong DD, Fahn S. Tics in patients with other movement disorders. *Neurology (Suppl 1)* 36:118, 1986.
- Shy ME, Rowland LP, Latov N, Pesce MA, Sherman WH. Characteristics of 40 patients with motor neuron diseases. *Muscle Nerve (Suppl 5S)*:107 1986.
- Shy ME, Rowland LP, Smith TS, Trojaborg W, Latov N, Sherman WH, Pesce MA, Lovelace RE, Osserman EF. Motor neuron disease and plasma cell dyscrasia. *Neurology* 36:1429-36, 1986.
- Sloviter RS, Dempster DW. "Epileptic" brain damage is replicated qualitatively in the rat hippocampus by central injection of glutamate or aspartate but not by GABA or acetylcholine. *Brain Res Bull* 15:39-60, 1985.
- Sloviter RS, von Knebel Doeberitz C, Walsh TJ, Dempster DW. On the role of seizure activity in the hippocampal damage produced by trimethyltin. *Brain Res* 367:169-182, 1986.
- Spitz MC, Emerson RG, Pedley TA. A comparison of median and posterior tibial somatosensory evoked potentials in patients with multiple sclerosis. *Electroencephalogr Clin Neurophysiol* 64:31P, 1986.
- Spitz MC, Pedley TA, Emerson RG. Dissociation of the frontal N100 from the occipital P100 in pattern reversal VEPs. *Electroencephalogr Clin Neurophysiol* 65:161-168, 1986.

- Stern Y, Mayeux R. Possible dopaminergic basis for perceptual motor dysfunction. In: Alzheimer's and Parkinson's disease: Strategies for Research and Development, Fisher A, Ilanin I, Lachman L (Editors). Plenum Press, NY, pp. 185-189, 1986.
- Stokman CJ, Shafer SQ, Shaffer D, Ng S K-C, O'Connor PA, Wolff RR. Assessment of "neurological soft signs" in adolescents: reliability studies. *Dev Med Child Neurol* 28:428-39, 1986.
- The EC/IC Bypass Study Group. Extracranial-intracranial arterial bypass surgery does not reduce the risk of ischemic stroke. *N Engl J Med* 313:1191-1200, 1986.
- Traub M, Wagner HR, Hassan M, Jackson-Lewis V, Fahn S. Effects of chronic bromocriptine treatment on behavior and on dopamine receptor binding in the rat striatum. In: Recent Developments in Parkinson's Disease, Fahn S, Marsden CD, Jenner P, Teychenne P (Editors). Raven Press, NY, pp 205-214, 1986.
- Traub RD. Neuronal interactions in "in vitro" epilepsy. *Electroencephalogr Clin Neurophysiol* 61, S224. Presented at XIth International Cong. of Electroencephalography and Clinical Neurophysiology, August 1985, London, U.K., 1985.
- Traub RD, Knowles WD, Miles R, Wong RKS. Models of propagation of synchronized epileptiform events in the hippocampal slice. *Soc Neurosci (Abstract)* 11:1230, 1985.
- Traub RD, Miles R, Wong RKS. The degree of synchronized burst discharge in hippocampus is determined by a balance of synaptic excitation and inhibition. *Soc Neurosci (Abstract)* 12:728, 1986.
- Truong DD, Pranzatelli MR, Jackson-Lewis V, Fahn S. Intracerebroventricular glycine inhibits myoclonus induced by p.p'-DDT in the rat. *Ann Neurol (Abstract)* 20:149, 1986.
- Wagner HR, Traub M, Reches A, Nilaver G, Alter E, Lewis V, Fahn S, Zimmerman EA. Regulation of striatal D2 dopamine receptors. *Soc Neurosci (Abstract)* 11:923, 1985.
- Wagner HR, Yablonskaya E, Reches A, Fahn S. Clonazepam-induced up-regulation of serotonin-1 and serotonin-2 binding sites in rat frontal cortex. In: *Advances in Neurology: Myoclonus*, Vol. 43, Fahn S, Marsden CD, Van Woert MII (Editors). Raven Press, NY, pp 645-651, 1986.
- Walters A, Hening W, Chokroverty S, Fahn S. Opioid responsiveness in patients with neuroleptic-induced akathisia. *Movement Disorders* 1:119-127, 1986.
- Walters A, Hening W, Cote L, Fahn S. Dominantly inherited restless legs with myoclonus and periodic movements of sleep: a syndrome related to the endogenous opiates? In: *Advances in Neurology: Myoclonus*, Vol. 43, Fahn S, Marsden CD, Van Woert MH (Editors). Raven Press, NY, pp 309-319, 1986.
- Wong RKS, Numann RE, Miles R, Traub RD. Hippocampal pyramidal cells: ionic conductance and synaptic interactions. In: *Neural Mechanisms of Conditioning*, Alkon DL, Woody CD (Editors). Plenum Press, NY, pp 311-318, 1985.
- Wong RKS, Traub RD, Miles R. Cellular basis of neuronal synchrony in epilepsy. In: *Advances in Neurology: Basic Mechanisms of the Epilepsies, Molecular and Cellular Approaches*, Vol. 44, Delgado-Escueta AV, Ward AA, Woodbury DM, Porter RJ (Editors). Raven Press, NY, pp 583-592, 1986.
- Yellin PB, Sokal MM, Emerson RG. Functional resilience of the premature brainstem. *Neurology (Suppl 1)* 36:279, 1986.

- Abramson M, Stein BM, Pedley TA, Emerson RG, Wazen J: Intraoperative Baer monitoring and hearing preservation in the treatment of acoustic neuromas. *Laryngoscope*, Vol 95, 11:1318-1322, November 1985.
- Barnett HJM, Mohr JP, Stein BM, Yatsu FM (eds.) *Stroke: Pathophysiology, Diagnosis and Management* (2 vols.). Churchill Livingstone, New York, 1986.
- Barnett HJM, Stein BM: Management of cerebral vascular problems: neurological and neurosurgical viewpoints. Barnett HJM, Mohr JP, Stein BM, Yatsu FM (eds.) *Stroke: Pathophysiology, Diagnosis and Management*. Sec. V, Vol. 2, 47:921-924, Churchill Livingstone, New York, 1986.
- Brisman R: Cerebrospinal fluid fistula. IN: *Current Therapy in Neurological Surgery*, Long DM (ed.), Decker, Mosby Toronto, pp 117-119, 1985.
- Treatment of trigeminal neuralgia: Radiofrequency electrocoagulation with/without glycerol. *Contemporary Neurosurgery* 3:1-5, 1986.
- Bruce JN, Riedel C, Tamarkin L, Markey S, Kopin I, Oldfield E: Continuous sampling for plasma and CSF melatonin in human subjects. *Endocrinology* 118 (suppl.) 42:1986. Presented at the 68th Annual Meeting of the Endocrine Society, Anaheim, California, June 15, 1986.
- Bruce JN, Blacklock JB, Oldfield EH: Vascular permeability increased by product of malignant brain tumor. Meeting of the American Assoc. of Neurological Surgeons, Denver, CO April 15, 1986.
- Carmel PW: The Chiari malformations and syringomyelia. In: *Anomalies of the developing central nervous system*. Epstein F, Hoffman H (editors). Blackwell Scientific Publications, Inc., Boston, 1985.
- Friedman E, Nilaver G, Carmel P, Latov N: Myelination by transplanted fetal and neonatal oligodendrocytes in a dysmyelinating mutant. *Brain Research* 378:142-146, 1986.
- Ganti SR, Hilal SK, Stein BM, Silver AJ, Mawad M, Sane P: CT of pineal region tumors. *AJNR* 7:97-104, 1986.
- Housepian EM: Neurofibromatosis and optic glioma. (Abs.) *Acta Neurochirurgica* 78:171, 1985.
- Neurosurgical perspectives on orbital tumors; from clinical neurophthalmology. Chap. 12 In: *Neuro-ophthalmology*, J. Lawton-Smith (ed). Field, Rich and Assoc, New York, NY pp 109-112, 1986.
- Janecka IP, Housepian EM: Cranio-facial approach to ossifying fibromas. *Laryngoscope*. 95:305-305, 1985.
- Kliot M, Shatz CJ: Abnormal development of the retinogeniculate projections in Siamese cats. *J of Neuroscience* 5:2641-2653, 1985.
- Legatt AD, Pedley TA, Emerson RG, Stein BM, Abramson M, Dowling K, Gallo E: Electrophysiological monitoring of seventh and eighth nerve function during surgery for acoustic neuromas. American EEG Society of Annual Meeting, Orlando, Florida, October 1985.
- Liskow A, Chang CH, DeSanctis P, Benson M, Fetell M, Housepian EM: Epidural cord compression in association with genitourinary neoplasms. *Cancer* 58:949-954, 1986.
- Loftus CM, Nilaver G, Beinfeld MC, Post KD: Motilin related immuno reactivity in mammalian adenolypophysis. *Neurosurgery* 19:201-204, 1986.
- McCormack BM, Swift DM, Hegemann MT, Solomon RA: Increased norepinephrine synthesis in the cerebral hemispheres of rats following subarachnoid hemorrhage. *Brain Res* 382:395-398, 1986.
- McMurtry JG: Questions in neurological surgery. FMGEMS Comprehensive Examination Review. Medical Examination Publishing Company. Sixth Edition, 1986.
- Mohr JP, Tatemichi TK, Nichols FC, Stein BM: Vascular malformations of the brain: clinical considerations. Barnett HJM, Mohr JP, Stein BM, Yatsu FM (eds.) *Stroke, Pathophysiology, Diagnosis and Management*. Sec. III, Vol 2, 32:679-720, Churchill Livingstone, New York, 1986.
- Muraszko KM, Baxter SD: Pregnant woman with metastatic malignant schwannoma with cranial nerve involvement. In: *Rehabilitation of the Head and Neck Cancer Patient: Psychosocial Aspects*. Blitzer A, Baredes S, Kutscher A, Sieland I, Barrett VW, Mossman K (editors). Charles C. Thomas Publishers, Springfield, IL 1985.
- Muraszko KM: The relationship of the housestaff, medical students and attendings in treating terminally and critically ill patients. In: *Human and Ethical Issues in the Surgical Care of the Patient with Life-Threatening Disease*. Herter FJ, Forde KA, Mark LC, Debeller R, Selder F (editors). Charles C. Thomas, Publishers. Springfield, IL 1986.
- O'Connor B, Cherico DJ, Kutscher A, Smith-Torres C, Goldberger J, Muraszko KM: (editors). *Pastoral care issues in experiences of loss, death and bereavement*. Praeger Publishers, 1986.
- Post KD, Muraszko KM: The treatment of pituitary tumors in neurologic clinics: neuroendocrinology and brain peptides. Zimmerman E, Abram G (editors) WB Sander; *Neurologic Clinics*. Vol 4 (4) 801-832, 1986.
- Quest DO: Asymptomatic carotid disease. *Clin Neurosurg* 15:237-249, 1986.
- Solomon RA, Correll JW: Pseudobulbar palsy after carotid endarterectomy. *Neurosurgery* Vol. 17, 3:528-529, 1985.
- Solomon RA, Loftus CM, Quest DO, Correll JW: Incidence and etiology of intracerebral hemorrhage following carotid endarterectomy. *Journal of Neurosurgery* 64:29-34, 1986.
- Solomon RA, McCormack BM, Lovitz RN, Swift DM, Hegemann MT: Elevation of brain norepinephrine concentration after experimental subarachnoid hemorrhage. *Neurosurgery* 19:363-366, 1986.
- Solomon RA, Stein BM: Surgical management of arteriovenous malformations of the brain stem. *J Neurosurg* 64:857-864, 1986.
- Surgical management of arteriovenous malformations of the tentorial ring. *Neurosurgery* 18:708-715, 1986.
- Stein BM: *Spinal Intradural Tumors*. Neurosurgery (3 vols) Wilkins RII, Rengachary SS (eds). Vol 1, Sec N. 125:1048. McGraw Hill Book Company, New York, 1985.
- Operative approaches to midline tumors. Koos WT, Pendl G (eds.) *Lesions of the Cerebral Midline*. Sec. D:42-49, Springer-Verlag Wein, New York, 1985.
- Surgical decisions in vascular malformations of the brain. Barnett HJM, Mohr JP, Stein BM, Yatsu FM (eds.). *Stroke: Pathophysiology, Diagnosis and Management*. Sec. V, Vol. 2, 56:1173-1190. Churchill Livingstone, New York, 1986.
- Webster MJ, Shatz CJ, Kliot M, Silver J: Abnormal differentiation of the optic stalk and its relation to axon misguidance in embryonic Siamese cats. *Society of Neuroscience. Abstract Vol 12*, 1985.

- Behrens MM: Optic Nerve Disorders. *Seminars in Neurology* 6:204-216, 1986.
- Bito LA, Kirby IIE, Baroody RA, Miranda OC: The relative ocular hypotensive potency and pharmacokinetics of prostaglandins (PGs) and their esters. *Invest Ophthalmol Vis Sci Supp* 27, p 178, 1986.
- Bito LZ: Absorptive transport of prostaglandins and other eicosanoids across the blood-brain barrier system and its physiological significance. In: *The Blood-Brain Barrier in Health and Disease*, Suckling AJ, Rumsby MG, Bradbury MWB (Editors). Ellis Horwood Ltd., Chichester, England, pp 108-121, 1986.
- Prostaglandins and related compounds as potential ocular therapeutic agents. In: *Biological Protection with Prostaglandins*, Vol. 1, Cohn MM (Editor). CRC Press, Inc., Toronto, Ontario, Canada, pp 231-252, 1985.
- Prostaglandins and other eicosanoids: Their ocular transport, pharmacokinetics, and therapeutic effects. *Trans Ophthalmol Soc UK* 105:162-170, 1986.
- Blaner WS, Das K, Mertz JR, Das SR, Goodman DS: Effects of dietary retinoic acid on cellular retinol- and retinoic acid-binding protein levels in various rat tissues. *J Lipid Res* 27:1084-1088, 1986.
- Borkman R, Hibbard L, Dillon J: The radiation of tryptophan with 337.1 nm laser light. *Photochem Photobiol* 45:13, 1986.
- Brin MF, Pedley TA, Lovelace RE, Emerson RG, Gouras P, MacKay C, Kayden HJ, Levy J, Baker H: Electrophysiologic features of abetalipoproteinemia: Functional consequences of vitamin E deficiency. *Neurology* 36:669-673, 1986.
- Brittis M, Lopez R, Gouras P, Kjeldbye H: Allotransplantation of cultured retinal epithelium to Bruch's membrane in the rabbit eye. *Transplantation Proceedings*, Vol. XIX, No. 1, 1986.
- Broglio TM, Worgul BV: Lens epithelium and radiation cataract. V. Observations on acid phosphatase and meridional row nuclear fragmentation. *Exp Eye Res* 40:263-271, 1985.
- Calvin HI, Medvedovsky C, Worgul BV: Near total glutathione depletion and age-specific cataracts, induced by buthionine sulfoximine in young mice. *Science* 233:553-555, 1986.
- Chiesa R, Sredy J, Spector A: Phosphorylated intermediates of two Ca^{++} -ATPases in membrane preparations from lens epithelial cells. *Curr Eye Res* 4:897-903, 1985.
- Curtin BJ: The myopias. In: *Basic Science and Clinical Management*. Harper & Row, 1985.
- The pathophysiology and epidemiology of myopia. *Ophthalmic Forum*, 3:165, 1985.
- An animal model of myopia. *Comments Surv Ophthalmol*, 30:343, 1986.
- DeRousseau CJ, Bito LZ, Kaufman PL: Age-dependent impairments of the rhesus monkey musculoskeletal and visual systems and apparent behavioral consequences. In: *The Cavo Santiago Macaques. History, Behavior and Biology*, Rawlins RG, Kessler MJ (Editors). State University of New York Press, Albany, New York, 1986.
- DiBenedetto FE, Bito LZ: Transport of prostaglandins and other eicosanoids by the choroid plexus: Its characterization and physiological significance. *J Neurochem* 46:1725-1731, 1986.
- Dillon J: Photochemical mechanisms in the lens. In: *The Ocular Lens*, Maisel H (Editor). Marcel Dekker, New York, p 349-366, 1985.
- Photochemically induced changes in the human lens. In: *Primary processes in biology and medicine*, Bensassow RU, Jor G, Land EJ, Truscott G (Editors). Plenum Publishing Co., New York, p 443, 1985.
- Photolytically induced polymerization in lens protein. *Lens Res* 2(2):121, 1985.
- Dillon J, Chiesa R, Spector A: The photochemistry of specific tryptophan residues in proteins as analyzed by the fluorescent scanning of tryptic peptide maps. *Photochem Photobiol*, p 46, 1986.
- Dillon J, Roy D, Roberts J: The photodynamic effect of hemato-porphyrin on calf lens membrane protein (MP26). *Curr Eye Res* 4:181, 1985.
- Dillon J, Roy D, Spector A: The photolysis of the main intrinsic protein in the calf lens membrane. *Exp Eye Res* 40:53, 1985.
- Dodick JM, Levy JH, Hoffer KJ: The neodymium yag laser. In: *Cataract Surgery*, Abrahamson IA (Editor). McGraw-Hill, Inc., New York, Chap 21, 1986.
- Donn A: The Eyes. In: *Columbia University College of Physicians & Surgeons Complete Home Medical Guide*, Tapley DF, Weiss R, Morris T (Editors). Crown Publishing, New York, pp 651-671, 1985.
- An ocular telephoto system designed to improve vision in macular disease. *CLAO* 12:81-85, 1986.
- Donn A, Koester CJ: An ocular telephoto system designed to improve vision in macular disease. *CLAO* 12(2):81-85, April, 1986.
- Evers HU, Gouras P: Three cone mechanisms in the Primate Electroretinogram: Two with, one without off-center bipolar responses. *Vision Res* 26:245-254, 1986.
- Farris RD, Farris RL: A CLAO journal survey of trends in ophthalmology practice. *CLAO J* 11:251-254, 1985.
- Farris RL: Tear analysis in contact lens wearers. *CLAO J* 12:106-111, 1986.
- Fischbarg J, Liebovitch LS, Koniarek JP: A central role for cell osmolarity in isotonic fluid transport across epithelia. *Biol Cell* 55:239-244, 1985.
- Evidence that water permeates cell membranes through the glucose channel. *Invest Ophthalmol Vis Sci Supp*, March, p 84, 1986.
- Garner MH, Garner WH, Spector A: H_2O_2 -modification of (Na,K)-ATPase: Alterations in external Na^+ and K^+ stimulation of K^+ influx. *Invest Ophthalmol & Vis Sci* 27:103-107, 1986.
- Garner MH, Spector A: Glucose-6-phosphate modification of bovine renal Na, K-ATPase: A model for changes occurring in the human renal medulla in diabetes. *Biochem Biophys Res Comm* 131:1206-1211, 1985.
- Spector A: ATP hydrolysis kinetics by Ka, K-ATPase in cataract. *Exp Eye Res* 42:339-458, 1986.
- Garner WH, Hilal Sk, Lee SW, Spector A: Sodium-23 magnetic resonance imaging of the eye and lens. *Proc Natl Acad Sci* 83:1901-1905, 1986.
- Gouras P: The anatomy and physiology of the retina and the electroretinogram (ERG). In: *Sensory Evoked Potentials*, Starr A (Editor), pp 9-23, 1985.
- Gouras P, Lopez R, Brittis M, Kjeldbye H, Fasano MK: Transplantation of cultured retinal epithelium. In: *Retinal Signals Systems, Degenerations and Transplants*, Agardh E, Ehinger B (Editors). Elsevier, pp 271-286, 1986.
- Gouras P, MacKay CJ, Ivert L, Mittl RN, Neuwirth J: Computer-assisted spectral electroretinography in vitrectomy patients. *Ophthalmol* 92:83-90, 1985.
- Hayashi MT, Miranda OC, Bito LZ, Baroody RA: Specific, non-specific, direct, and indirect miotic effects of prostaglandins (PGs). *Invest Ophthalmol Vis Sci Suppl* 27, p 248, 1986.
- Hofeldt AJ, Leavitt J, Behrens MM: Pulfrich stereo-illusion phenomenon in serous sensory retinal detachment of the macula. *Amer J Ophthalmol* 100:576-580, 1985.
- Koniarek JP, Markowitz G, Liebovitch LS, Fischbarg J: Single channel recordings from rabbit corneal endothelium in vitro. *Biophys J* 49:365a, 1986.
- Krebs W: The role of vertebrate photoreceptor discs in vision. In: *Functional morphology of Vertebrates*, Duncker HR, Fleischer G (Editors). Fischer, Stuttgart and New York, 1985.

- The importance of proper ascent rate. Part 1: Gas embolism without lung rupture. *The Undersea Journal* 4, 1986.
- Krueger RR, Stokel SL: Quantitation of corneal ablation by ultraviolet laser light. *Arch Ophthalmol* 103:1741-1742, 1985.
- Krueger RR, Trokel SL, Schubert HD: Interaction of ultraviolet laser light with the cornea. *Inv Ophthalmol & Vis Sci* 26:1455-1464, 1985.
- Kulkarni P, Srinivasan BD: Diclofenac and enolicam as ocular anti-inflammatory drugs in rabbit corneal wound model. *J Ocular Pharmacol* 2:711-715, 1986.
- Eicosapentaenoic acid metabolism in human and rabbit anterior uvea. *Prostaglandins* 31:1159-1164, 1986.
- Leib, ML: Computed tomography of the orbit. In: *International Ophthalmology Clinics*, Haik BG (Editor). Little, Brown, and Company, Boston, 1986.
- Li L-K, Roy D, Spector A: Changes in lens protein in concentric fiber fractions from individual human lenses. *Curr Eyes Res* 5:127-135, 1986.
- Li L-K, So L: Age dependent changes in cholesterol and phospholipid in individual bovine lenses. *Invest Ophthalmol Vis Sci Suppl* 27: 275, 1986.
- Liebovitch LS, Fischbarg J: Membrane pores: a computer simulation of interacting pores analyzed by $g_1(\tau)$ and $g_2(\tau)$ correlation functions. *J Theoret Biol* 119:287-297, 1985.
- Liebovitch LS, Fischbarg J, Koniarek JP: Optical correlation functions applied to the random telegraph signal: how to analyze patch clamp data without measuring the open and closed times. *Math Biosci* 78:203-215, 1986.
- Use of correlation functions to study patch clamp data. *Biophys J* 49:374a, 1986.
- Signal processing of ion current data from one or many channels. *J. Electrochem Soc Rev News* 133:124c, *Extend Abstr* 86-1:674, 1986.
- Fractal model of ion channel kinetics. *J Gen Physiol* 88:34a-35a, 1986.
- Marshall J, Trokel SL, Rothery S, Schubert H: An ultrastructural study of corneal incisions induced by an excimer laser at 193 nm. *Ophthalmol* 92:749-758, 1985.
- Marshall J, Trokel S, Rothery S, Krueger R: Photoablative reprofiling of the cornea using an excimer laser: Photorefractive keratectomy (PRK). *Lasers in Ophthalmol*, Vol. 1, 1986.
- McGahan MC, Bito LZ, Myers BM: The pathophysiology of the ocular microenvironment. II. Copper-induced ocular inflammation and hypotony. *Exp Eye Res* 42:595-605, 1986.
- Merriam JC, Char DH: Effect of helium ions of the primate retina. *Invest Ophthalmol Vis Sci Suppl*, 26:209, 1985.
- Merriam JC: Review: Thyroid eye disease, DH Char; Williams and Wilkins, Baltimore, 1984. *New England J Med*, 315:325, 1986.
- Miranda OC, Bito LZ, Kaufman PL, DeRousseau CJ, Raley SE: Ocular Development and Aging. 2. Different basic patterns of lenticular growth in cats and rhesus monkeys (RhMs) and the lack of discernible effect of sunlight on lenticular aging in RhMs. *Invest Ophthalmol Vis Sci Suppl* 27, p 178, 1986.
- Mitrani R, Worgul BV: The effects of ionizing radiation on the dividing cells of the conjunctival epithelium. *Curr Eyes Res* 5:527-528, 1986.
- Mittl, RN: Perfluoropropane inflation of the suprachoroidal space as "internal" retinal buckling procedure. *Invest Ophthalmol and Vis Sci*, Vol. Supp 7, No. 3, March 1986.
- Administration of intraocular medications by injection into the suprachoroid. XXV International Congress of Ophthalmology, Rome 1986.
- Mun S, Hilal S, Roskoth H: Compact high resolution MRI phantom for multislice imaging. *SPIE Vol.* 555, 1985.
- Odrich M, Hall S, Worgul BV, Trokel SL, Rini FJ: Posterior capsule opacification: Experimental Analyses. *Ophthalmol Res* 17:75-84, 1985.
- Patipa M, Jakobiec FA, Krebs W: Light and electron microscopic findings with permanent eyeliner. *Ophthalmol* 93: 1361-1365, 1986.
- Ramsey RB, Leib ML: Clothesline operation for ptosis. In: *Techniques in Ophthalmic Plastic Surgery*, Wesley RE (Editor). Wiley Medical Publication, New York, 1986.
- Repka MX, Gallin PF, Scholz RT, Guyton DL: Determination of optical penalization by vectographic fixation reversal. In: *Ophthalmol*, Vol 92, no 11, pp 1584-1586, Nov 1985.
- Rini F, Worgul BV, Merriam GR Jr: Radiation cataractogenesis. *J.N.Y. Acad Med* 62:744-763, 1986.
- Roberts J, Dillon J: A comparison of the photodynamic effect of sensitizing drugs on lens protein. *Lens Res* 2(2):183, 1985.
- Phototoxicity in the lens. In: *Hazards of Light*, Cronly-Dillon J, Rosen ES, Marshall J (Editors). Pergamon Press, New York, p 325, 1986.
- Sacks E, Worgul BV, Merriam GR, Hilal S: The effects of nuclear magnetic imaging on ocular tissues. *Arch Ophthalmol* 104:890-893, 1986.
- Smith RT, Koester CJ, Campbell CJ: Vitreous fluorophotometer data analysis by deconvolution. *Invest Ophthalmol & Vis Sci* 27:406-414, March, 1986.
- Spector A, Huang R-RC, Wang G-M: The effect of H_2O_2 on lens epithelial cell glutathione. *Curr Eye Res* 4:1289-1295, 1985.
- Spector A, Wang G-M, Huang R-RC: A new HPLC method to determine glutathione-protein mixed disulfide. *Curr Eye Res* 5:47-51, 1986.
- Srinivasan BD, Kulkarni PS, Bhat S: Differential protein synthesis in steroid-treated ocular surface epithelium. *Invest Ophthalmol Vis Sci* 27:1005-1009, 1986.
- Sundelin J, Das RR, Eriksson U, Rask L, Peterson PA: The primary structure of bovine cellular retinoic acid-binding protein. *J Biol Chem* 160:6494-6499, 1985.
- Sundelin J, Mehlhus H, Das S, Eriksson U, Lind P, Tragardh L, Peterson PA, Rask L: The primary structure of rabbit and rat prealbumin and a comparison with the tertiary structure of human prealbumin. *J Biol Chem* 260:6481-6487, 1985.
- Worgul BV, Merriam GR, Medvedovsky C: Accelerated heavy particles and the lens. II. Cytopathological changes. *Invest Ophthalmol Vis Sci* 27:108-114, 1985.
- Yablonski ME, Gallin P, Shapiro D: Effect of oxygen on aqueous humor dynamics in rabbits. In: *Invest Ophthalmol and Vis Sci*, Vol 26, pp 1781-1784, Dec, 1985.

- Armstrong, C.G., Mow, V.C. and Wirth, C.R.: Biomechanics of impact-induced microdamage to articular cartilage—a possible geneses for chondromalacia patella. American Academy of Orthopaedic Surgeons symposium on Sports Medicine: The Knee, ed. G. Finerman, C.V. Mosby Co., St. Louis, 70-84, 1985.
- Bassett, C.A.L. and Fitton Jackson, S.: A critique of medical uses of weak pulsing electromagnetic fields. In interactions between electromagnetic fields and cells. A. Chiabrera, C. Nicolini, and H.P. Schwan (eds.), Plenum Press, 1985, pp. 569-579.
- Bassett, C.A.L. and Moran, D.J.: Effects of weak pulsed electromagnetic fields (PEMFs) on cell migration and morphology (abstract). Seventh Annual Meeting of The Bioelectromagnetics Society, June 1985.
- Bassett, C.A.L., Schink-Ascani, M., Lewis, S.M.: Treatment of femoral head osteonecrosis with pulsed electromagnetic fields. Annual Meeting American Orthopaedic Association, (abstract) J.B.J.S., Vol. 9:573, Fall, 1985.
- Bigliani, L.U., McIlveen, S.J., Esposito, R.E.: Operative repair of massive rotator cuff tears. Ortho. Trans. Vol. 9, No. 3: 466 Fall 1985.
- Bigliani, L.U.: Recurrent dislocations and subluxations of the shoulder. Orthopaedic Audio-Synopsis. Vol. 17, No. 7: October 1985.
- Denton, J.R.: Pseudomonas aeruginosa foot infections from puncture wounds. Orthopaedic Review, XIV, No. 2:97-101, 1985.
- Modern treatment of scoliosis. HospiMedica, 3-4:77-81, 1985.
- Open reduction of infantile displacement of the hip in children under twelve months of age: When, Why, How. Bulletin of the New York Academy of Medicine, Vol. 61, No. 4, 369-377, 1985.
- Editor, Orthopaedics, Vol. I & II, Practice of Surgery, Philadelphia, Lippincott, 1985.
- Dick, H.M., Rosenwasser, M.P., Seitz, W.H. and Putnam, M.D.: Microvascular fibular transplants to the upper extremity. American Society for Surgery of the Hand, Orthopaedic Transactions, JBJS, Vol. 10, No. 2, p 191, Summer, 1986.
- Eftekhar, N.S., Doty, S.B., Johnston, A.D., Parisien, M.: Prosthetic Synovitis: Hip Proceedings of the 13th Open Scientific Meeting for the Hip society. Mosby, St. Louis. 1985.
- Prosthetic synovitis: A morphological & biomechanical study. Orthopaedic Transactions, Vol. 9, No. 2, pp 206, September 1985.
- Eftekhar, N.S., Tzitzikalakis, G.I.: Failure and reoperations following Charnley low-friction arthroplasty of the hip: A 5-15 year survivalship study, Orthopaedic Transactions of the J.B.J.S. Vol. 9 #3, 1985.
- Eftekhar, N.S.: Editorials: A tribute to Sir John Charnley. Clinical Orthopaedics and Related Research. 1986.
- Grantham, S.A.: Book Review, New England Journal of Medicine, Vol. 312, No. 22, Pg. 1460; Fractures. Vols. 1 and 2: Fractures in Adults and Fractures. Vol. 3: Fractures in Children, 1985.
- Holmes, M.S., Lai, W.M. and Mow, V.C.: Singular perturbation analysis of the nonlinear, flow-dependent, compressive stress-relaxation behavior of articular cartilage. Journal of Biomechanical Engineering, 107:206-218, 1985.
- Compression effects on cartilage permeability. Tissue Nutrition and Viability, ed. A.R. Hargins, Springer-Verlag, New York, 73-100, 1985.
- Kane, R.: Tailor talar bursa, picture of the month. American Journal of Diseases of Children. Vol. 140:163-164, February 1986.
- Keim, H.A.: Contributor: The CIBA collection of medical illustrations. Nervous System, Vol. #1, part II. CIBA-GEIGY. 1986.
- Kelly, M.A., and Insall, J.N.: Patellectomy. Orthopaedic Clinics of North America. Vol. 17; No. 2, April 1986.
- Kwan, M.K., Lai, W.M. and Mow, V.C.: Permeability of soft hydrated tissues under finite deformation. 1985 Biomechanics Symposium, Transactions ASME, ed D.L. Butler, June 1985.
- Kwan, M.D., Lai, W.M. and Mow, V.C.: Finite deformation biphasic analysis of the confined compression behaviors of articular cartilage. 1985 Advances in Bioengineering, Transaction ASME, November 1985.
- McCann, P.D.: Bigliani, L.U.: The current status of shoulder arthroplasty. HospiMedica. Vol. IV, No. 3:25-29, 1986.
- Michelsen, C.B.; Askanazi, J.: The metabolic response to injury: mechanisms and clinical implications, Current Concepts Review. J.B.J.S. Vol 68-A. No. 5:782-787, June 1986.
- Mow, V.C., Myers, C.R. and Wirth, C.R.: Composition & structure and material properties & function of articular cartilage: A Review. American Academy of Orthopaedic Surgeons Symposium on Sports Medicine: The Knee, ed. G. Finerman, C.V. Mosby Co., St. Louis, 54-69, 1985.
- Mow, V.C., Kwan, M.K., Lai, W.M. and Holmes, M.H.: A finite deformation theory for nonlinearly permeable soft hydrated biological tissues. Frontiers in Biomechanics, eds. S.L-Y. Woo, G. Schmid-Schonbien, and B. Zweifach, Springer-Verlag, New York, pp 153-179, 1986.
- Mow, V.C.: Structure and mechanical properties of articular cartilage. Perspectives on Biomaterials, eds. O.C.C. Lin and E.Y.S. Chao, Elsevier Science Publishers, Amsterdam, The Netherlands, 39-73, 1986.
- Musso, E.S.; Mitchell, S.N., Schink-Ascani, M.; Bassett, C.A.L.: Results of conservative management of osteonecrosis of the femoral head: A retrospective review. Clinical Orthopaedics and Related Research, 207:209-215. June 1986.
- Neer, C.S. II, Fithian, T.E., Hansen, P.E., Ogawa, K. and Brems, J.J.: Reinforced cruciate repair for anterior dislocation of the shoulder. Orthopaedic Transactions, p 44, Vol. 9, Spring, 1985.
- Neer, C.S. II: Unconstrained shoulder arthroplasty. Instructional course lectures, The American Academy of Orthopaedic Surgeons. C.V. Mosby, St. Louis, Vol. XXXIV, pp 278-286, 1985.
- Involuntary inferior and multidirectional instability of the shoulder: etiology, recognition, and treatment. Instructional course lectures, The American Academy of Orthopaedic Surgeons. C.V. Mosby, St. Louis, Vol XXXIV, pp 232-238, 1985.
- Norris, T.R., Bigliani, L.U.: Treatment of shoulder instability following failed surgery. Orthopaedic Transactions. Vol. 9, No. 3:574. Fall 1985.
- Rosenwasser, M.P., Grantham, S.A., Monsanto, E.H. Canale, M. and Gonzalez, E.: Evaluation of tourniquet use in hand surgery via prospective electromyography and somatosensory evoked potentials. Orthopaedic Transactions, 9:444-5, 1985.
- Evaluation of tourniquet use in hand surgery via prospective electromyography and somatosensory evoked potentions. Orthopaedic Transactions, 9:190, 1985.
- Rosenwasser, M.P., Rago, T.A. and Carroll, R.E.: Palmaris longus opponensplasty. Orthopaedic Transactions, 9:422, 1985.
- Palmaris longus opponensplasty. Orthopaedic Transactions, 9:70, 1985.
- Roye, D.P., Jr.: Lumbar spine fusion. In: Camins, M.B.; O'Leary, P.F.: The Lumbar Spine. Raven Press, New York 1986.
- Seitz, W.H. and Grantham, S.A.: The Jones' fracture in the nonathlete. Foot & Ankle, Vol. 6, No. 2, Pg. 97-100, October 1985.
- Stinchfield, F.E.: Historical evolution of hip surgery and contribution of Professor Sir John Charnley: Charnley Low Friction Arthroplasty conference, Orlando, Florida. December 1985.

- Abramson M: Informed consent and palliative surgery. In *Rehabilitation of the Head and Neck Cancer Patient—Psychosocial Aspects*. Blitzer A, Baredes S, Kutcher AH, Seeland IB, Barrett VW, Mossman KL (eds), Kutscher LG (editorial assist.), Charles C. Thomas, Springfield, IL, 1985.
- Co-Chairman, State-of-the-Art meeting on Tissue Integration in Oral and Maxillofacial reconstruction and Co-Chairman, Report of Extra-oral application Committee on Tissue Integration and Oral and Maxillofacial Reconstruction. Van Steenberghe D (ed). *Current Clinical Practice 29 Excerpta Medica*, Amsterdam, Netherlands, pp 509-519, 1986.
- Open or closed tympano mastoidectomy for cholesteatoma in children. *Am J Otol* 6:167-169, 1985.
- Treatment of sensorineural hearing loss: An overview. In *Sensorineural Hearing Loss Mechanisms Diagnosis Treatment—The Reger Conference*. Collins MJ, Glatke TJ, Harker LA (eds), The University of Iowa, Iowa City, Iowa, 1986.
- Abramson M, Stein BM, Emerson RC, Pedley TA, and Wazen JJ: Intraoperative baer monitoring and hearing preservation in the treatment of acoustic neuromas. *Laryngoscope* Vol. 95: 11:1318-1322, 1985.
- Abramson M, Sugita T, and Huang CC: The natural history of cholesteatoma. In *Otologic Medicine and Surgery*, Alberti, PW, Ruben RJ (eds), Churchill-Livingston, Inc., New York, 1987, in press.
- Baredes S: Evaluation of conservative neck dissection in partial laryngeal surgery. *Bull NY Acad Med* 62:821, 1986.
- Patient of the Month Instructional Program on Maxillary sinus cancer. American Academy of Otolaryngology-Head and Neck Surgery Foundation, Inc., October, 1986.
- Baredes S, Cho H, and Som ML: Total maxillectomy. In *Surgery of the Paranasal Sinuses*, Blitzer A, Friedman WH, Lawson, W (eds). Saunders and Co., Philadelphia, PA, 1985.
- Baredes S, Nussbaum M, and Som ML: The role of supraomohyoid neck dissection at the time of supraglottic laryngectomy. *Laryngoscope*, 95:151-155, p. 19, 1985.
- Blitzer A: Conservation surgery via a craniofacial approach. *Bull NY Acad Med* 62:834-840, 1986.
- Electromyographic findings in spasmodic dysphonia. In *Symposium on Spastic Dysphonia: State of the Art 1984*. Gates GA (ed), Voice Foundation, New York, pp 39-44, 1985.
- Management of chronic aspiration. In *Rehabilitation of the Head and Neck Cancer Patient*. Blitzer A. et al (eds), Charles C. Thomas, pp 87-92, 1985.
- Surgery for infection and benign disease of the maxillary sinus. In *Surgery of the Paranasal Sinuses*. Blitzer A, Lawson, W, Friedman WH (eds), W.B. Saunders Co., Philadelphia, pp 179-188, 1985.
- Blitzer A, Baredes S, Kutcher AH, Seeland IB, Barrett VW, and Mossman KL (eds). *Rehabilitation of the Head and Neck Cancer Patient. Psychosocial Aspects*, Charles C. Thomas, Springfield, 1985.
- Blitzer A, and Carmel PW: Intracranial complications of disease of the paranasal sinuses. In *Surgery of the Paranasal Sinuses*. Blitzer A, Lawson W, Friedman, WH (eds), W.B. Saunders Co., Philadelphia, pp 328-338, 1985.
- Sphenoid sinus. In *Surgery of the Paranasal Sinuses*. Blitzer A, Lawson W, Friedman, WH (eds), W.B. Saunders Co., Philadelphia, pp 156-178, 1985.
- Blitzer A, Lawson W, and Friedman WH: *Surgery of the Paranasal Sinuses*. W.B. Saunders, Co., Philadelphia, 1985.
- Blitzer A, Lovelace RE, Brin MF, Fahn S, and Fink ME: Electromyographic findings in focal laryngeal dystonia (spastic dysphonia). *Ann Otol Rhino Laryngol* 94:591-594, 1985.
- Blitzer A, Post K, and Lawson W: Craniofacial resection. In *Surgery of the Paranasal Sinuses*. Blitzer A, Lawson W, Friedman WH (eds), W.B. Saunders Co. Philadelphia, pp 270-277, 1985.
- Brin, MF, Fahn S, Moskowitz CB, Blitzer A, Friedman A, Shale HM, Green PE, List T, and Lovelace RE: Injections of botulinum toxin for the treatment of focal dystonia. *Neurology Suppl* 1, 36:176, 1986.
- Carniol PJ: Nose and paranasal sinuses. In *Manual of Otolaryngology*, Kelly JH, Fried MP (eds), Little, Brown and Co., 1985.
- Embryology of the upper extremity. In *The Pediatric Upper Extremity, Diagnosis and Management*, Bora FW (ed), W.B. Saunders, 1986.
- Congenital anomalies of the upper limb. In *The Pediatric Upper Extremity, Diagnosis and Management*. Bora FW Ied, W.B. Saunders, 1986.
- Conley, JJ: Management of the ear canal in head and neck surgery. *Arch Otolaryngol* 111 (2):90-92, 1985.
- The meaning of life-threatening disease of the area of the head and neck. *Acta Otolaryngol* (Stockholm) 99(3-4):201-204, 1985.
- Intranasal composite grafts for dorsal support. *Arch Otolaryngol* 111(4):241-243, 1985.
- Treatment and prognosis of mucoepidermoid carcinoma in the pediatric age group (with PF Tinsley) *Arch Otolaryngol* 111(5):322-324, 1985.
- The risk of the orbit in head and neck cancer. *Laryngoscope* 95(5):515-522, 1985.
- Penulosity in regional flaps about the head and neck. *Ann Plas Surg* 16(1):75-81, 1986.
- Cheiloplasty in the treatment of facial paralysis. *Laryngoscope*, 96(2), 1986.
- Have I performed the right operation? *Arch Otolaryngol Head and Neck Surg* 112:385-387, (Commentary), 1986.
- Conley JJ and Donovan DT: A new technique for total reconstruction of the lower lip in a patient with malignant melanoma. *Head and Neck Surg* 94(3):393-397, 1986.
- Conley JJ, Sachs, M.E., et al: Metastatic basal cell carcinoma of the head and neck. *Otolaryngol Head and Neck Surg* 93 (1)78-85, 1985.
- Conley JJ, Norris, JE: Reconstruction of half of the face. *Arch Otolaryngol* 111(3):142-145, 1985.
- Funnell, WRJ, Decraemer WG and Khanna SM: On the damped frequency response of a finite-element model of the cat eardrum. *Sub. JASA*, 1986.
- Haddad, J Jr, Angel, MF, and Abramson M: Reduction of hematoma-induced flap necrosis by deferoxamine. *Surgical Forum* 105:564-565, 1986.
- Huang CC: The effect of retinoids on the growth of squamous cell carcinoma of the palate in rats. *Am J Otolaryng* 7:55-57, 1986.
- Huang CC, Blitzer A, and Abramson M: Collagenase in human head and neck tumors and rat tumors and fibroblasts in monolayer cultures. *Ann Otol Rhino Laryngol* 95:158-161, 1986.
- Huang, CC, Moriyama II, and Abramson M: Collagenase and bone resorption in chronic otitis media. In *Auditory Biochemistry*, Drescher, DC (ed), Charles C. Thomas, Springfield, IL, pp 366-386, 1985.
- Huang, CC, Saporta D, and Abramson M: Immunologically induced salpingitis in rats. *Am J Otolaryngol* 6:338-372, 1985.
- Type II collagen induced bone resorption in the temporal bone of rats: Histological and immunohistochemical studies. *Arch. Otorhinolaryngol*, 242:183-188, 1985.
- Huang CC, Yi ZX, Abramson M: Type II collagen induced otosponiosis-like lesions in rats. *Am J Otol* 7:258-266, 1986.

- Khanna SM, and Tinson MR: Specification of the acoustical input to the ear at high frequencies. *J Acoust Soc Am* 77:577-589, 1985.
- Khanna SM: Homodyne interferometer for basilar membrane measurements. *Hear Res* 23:9-26, 1986.
- Khanna SM and Corliss ELR: Considerations in stimulating the cochlea via a bone anchored vibrator. In *Tissue Integration in Oral and Maxillo-Facial Reconstruction*. Van Steennberghe D (ed) Excerpta Medica, Amsterdam, pp 187-198, 1986.
- Khanna SM, Johnson Ga and Jacobs J: Homodyne interferometer for basilar membrane vibration measurements. II-Hardware and technique. *Hear Res* 23:27-36, 1986.
- Khanna SM and Leonard DGB: Measurement of basilar membrane vibrations and evaluation of cochlear condition. *Hear Res* 23:37-53, 1986.
- Khanna SM and Stinson MR: Sound pressure distribution in the ear canals of cats. *Prod of 12 ICA*, Toronto, Canada, 1986.
- Komisar A, Blitzer A, and Valdes M: Maxillary and orbital fractures, self instructional package. *Am Acad Otolaryngology-Head and Neck Surgery*, Washington, 1986.
- Moriyama H, Huang CC, Kato M, and Abramson M: Effects of pressure on bone resorption in the middle ear of rats. *Ann Otol Rhino Laryngol* 94:60-65, 1985.
- Shulman A, Tonndorf J, and Goldstein B: Electrical tinnitus control. *Acta Otolaryngol* 99:318-327, 1985.
- Silverstein H, Wazen J, and Silverstein D: Micropuncture of the tympanic membrane after tympanoplasty. *Otolaryngol. Head and Neck Surg* 93:224, 1985.
- Silverstein H, McDaniel A, Wazen J and Norrell H: Retrolabyrinthine vestibular neurectomy with simultaneous monitoring of eighth nerve and brainstem auditory evoked potentials. *Otolaryngol Head and Neck Surg* 93:736, 1985.
- Silverstein H, McDaniel A, Norrell H and Wazen J: Conservative management of acoustic neuroma in the elderly patient. *Laryngoscope* 95:776-770, 1985.
- Smith A, Winkler B, Perzin KH, Wazen J, and Blitzer A: Mucoepidermoid carcinoma arising in an intraparotid lymph node. *Cancer* 55:400-403, 1985.
- Sugita T, Huang CC, and Abramson M: Effect of endotoxin in keratin production of keratinocytes in vitro. *Am J Otolaryngol* 7:42-46, 1986.
- Effect of fibronectin in keratinocyte migration. *Fed Proc* 45:1912, 1986.
- The effect of endotoxin and prostaglandin E2 on the proliferation of keratinocytes in vitro. *Archiv Oto Rhino Laryn* 243:211-214, 1986.
- Teich MC and Khanna SM: Pulse-number distribution for the neural spike train in the cat's auditory nerve. *J Acoust Soc Am* 77:1110-1128, 1985.
- Tonndorf J: Electrostimulation. *Sem. Hear. Faust, S (ed). Thieme*, 6(4), New York, 1985.
- Tonndorf J and Pastaci H: Middle ear sound transmission: A field of early interest of Merle Lawrence. *Am J Otolaryng* 7:120-129, 1986.
- Tonndorf J: George von Békésy and his work. *Hear Res* 22:3-10, 1986.
- Auditory nonlinearities: The role of cochlear hydromechanics. *Hear Res* 22:223-227, 1986.
- Mechanical causes of sensorineural hearing loss. In *Reger Memorial Conference*. Harkly LE, Collins MJ, Glattlee TJ (eds), State University of Iowa Publ., 1986.
- Wazen J, Silverstein H, Norrelle H and Besse B: Preoperative and post-operative growth rates in acoustic neuromas documented with CT scanning. *Otolaryngol Head and Neck Surg* 93:151, 1985.

- Addonizio LJ, Michler RE, Marboe CC, Esser PE, Johnson LL, Seldin DW, Rose EA, Gersony WM, Cannon PJ. Noninvasive imaging of cardiac allograft rejection using Indium-111 monoclonal antimyosin. *JACC* 7:102A, 1986.
- Anderson DJ, Stein R, Axel R. Gene expression in differentiating and transdifferentiating neural crest cells. In: Cold Spring Harbor Symp Quant Biol. Molecular Biology of Development 50:855-863, 1985.
- Argarana CE, Kuntz ID, Birken S, Azel R, Cantor CR. Molecular cloning and nucleotide sequence of the streptavidin gene. *Nucleic Acids Res* 14:1871-1882, 1986.
- Benezra R, Cantor CR, Axel R. Nucleosomes are phased along the mouse B-major globin gene in erythroid and non-erythroid cells. *Cell* 44:697-704, 1986.
- Berger CL, Friedman-Kien A, DiFranco M, Rehle T, Ostreicher R, Knobler R, Laubenstein L, Edelson RL. Tumor-associated antigen present on lymphocytes from cutaneous T cell lymphoma patients is also found on lymphocytes from acquired immune deficiency syndrome patients. *J Invest Dermatol* 87:280-283, 1986.
- Berger CL, Cantor C, Welsh J, Dervan P, Gasparro FP, Edelson RL. Inhibition of lymphocyte proliferation by water soluble psoralen derivatives. *Ann NY Acad Sci*, 446:80-90, 1985.
- Bini A, Fenoglio J, Sobel J, Owen J, Kaplan K. Fibrinogen and fibrin-related antigens in human thrombi and atherosclerotic lesions. *Thrombosis Hamostasis* 54:165, 1985.
- Bonagura V, Rohowsky-Kochan C, Reed E, Ma A, Suci-Foca N. Perturbation of the immune network in herpes gestationis. *Human Immunol* 15:211-219, 1986.
- Bonilla E, Miranda AF. Morphologic evidence for the presence of a metabolically and ionically coupled network of fibroblast-like cells at the myotendon. *Muscle & Nerve* 9: Suppl:158, 1986. (Abs)
- Borek C. Critical Molecular events and gene regulation in carcinogenesis, differentiation and aging. In: Interrelations Among Aging, Cancer and Differentiation. B. Pullman et al (eds.) D. Reidel Publishing Company, pp. 255-265, 1985.
Hormones and dietary factors controlling gene activation and expression in carcinogenesis. In: Mechanisms of Antimutagenesis and Anti-carcinogenesis, DM Shankel, PE Hartman, T Kada, A Hollaender (eds.), Plenum Press, NY, pp. 399-408, 1986.
Oncogene activation and regulation and gene expression in the initiation and promotion of transformation in vitro. In *J Radiat Biol* 49:527-528, 1986.
The role of nutritional factors in cellular protection against DNA damage, altered gene expression and malignant transformation. In: Mechanisms of DNA Damage and Repair, M Simic, L Grossman, AC Upton (eds.), Plenum Press, NY, pp. 557-562, 1986.
- Borek C, Cleaver JE. Antagonistic action of a tumor promoter and a poly (adenosine diphosphoribose) synthesis inhibitor in radiation-induced transformation in vitro. *Biochemical and Biophysical Research Communications* 134:1334-1341, 1986.
- Borek C, Ong A, Mason H, Donahue L, Biaglow JE. Selenium and vitamin E inhibit radiogenic and chemically induced transformation in vitro via different mechanisms of action. *Proc Nat Acad of Sci (USA)* 83:1490-1494, 1986.
- Borek C, Ong A, Muty Y. Inhibition of radiogenic and chemically induced transformation in C3H/10T-1/2 cells by a polyprenic acid (E-5166). *Japanese J Cancer Res. (GANN)* 77:5-8, 1986.
- Borek C, Zaider M, Ong A, Mason H, Witz G. Ozone acts alone and synergistically with ionizing radiation to induce in vitro neoplastic transformation. *Carcinogenesis* 7:1611-1613, 1986.
- Brett JG, Godman GC. Cytoskeletal organization affects cellular responses to cytochalasins: comparison of a normal line and its transformant. *Tissue & Cell* 18(2):175-199, 1986.
- Brett JG, Godman GC, Miller DA. Phenotypic and karyotypic transitions in the spontaneous transformation of a rat cell line. *Tissue & Cell* 18:27-49, 1986.
- Brett JG, Tannenbaum J. Cytochalasin D-induced increase in actin synthesis and content in a variety of cell types. *Cell Biol Int Rept* 9:723-730, 1985.
- Cantor JO, Willhite M, Bray BA, Keller S, Mandl I, Turino GM. Synthesis of crosslinked elastin by a mesothelial cell culture. *Proc Soc Exp Biol Med* 181:367-371, 1986.
- Chang C, Sung CH, Hsu HC, Ng AK, Hu C. Expression of class I and class II antigens on human hepatoma. 6th International Congress of Immunology (Abstract), p 539, 1986.
- Chang HW, Niebroj-Dobosz I, Bock E, Miranda AF, Bonilla E. Monoclonal antibodies against two molecular species of acetylcholinesterase from *Torpedo californica*. *Muscle & Nerve* 9 Suppl:143, 1986. (Abs)
- Cleaver JE, Banda M, Troll W, Borek C. Some protease inhibitors are also inhibitors of Poly (ADP-ribose-) polymerase. *Carcinogenesis* 7:323-325, 1986.
- Collins MH, Moessinger AC, Blanc WA, Kleinerman J. Morphometry of hypoplastic fetal guinea pig lungs following amniotic fluid leak. *Pediatr Res* 20, 10:9550960, 1986.
- Collins MH, Kleinerman J, Moessinger AC, Collins AM, James LS, Blanc WA. Morphometric analysis of the growth of the normal fetal guinea pig lung. *Anat Rec* 216:381-391, 1986.
- Collins MH, Moessinger AC, Kleinerman J, Blanc WA. Morphometric analysis of lung hypoplasia due to prolonged amniotic fluid leak (animal model). *Am Rev Respir Dis* 133:A186, 1986.
- Cowen D. Themelanoneurons of the human cerebellum (nucleus pigmentosus cerebellaris) and homologues in the monkey. *J of Neuropath and Exp Neurol* 45:205-219, 1986.
- Crum CP, Nagai N, Levine R, Silverstein S. In situ hybridization analysis of HPV 16 DNA sequences in early cervical neoplasia. *Am J Pathol* 123:174-182, 1985.
- Crum CP, Nagai N, Mitao M, Levine RU, Silverstein S. Histological and molecular analysis in early cervical neoplasia. *Papillomavirus: Molecular and Clinical Aspects*, pp 19-29, Alan R., Liss, Inc., 1985.
- D'Agati VD, Appel GB, Estes D, Knowles DM, Pirani CL. Monoclonal antibody identification of infiltrating mononuclear leukocytes in lupus nephritis. *Kid Inter* 30:573-581, 1986.
- D'Agati VD, Chander P, Nash M, Mancilla-Jimenez R. Idiopathic microscopic poly-arteritis nodosa: Ultrastructural observations on the renal vascular and glomerular lesions. *Am J Kid Dis* 6:95-110, 1986.
- D'Agati VD, Feinfeld DA, Nuovo G, Benvenisty A, Pirani C, Hardy M. A rat model of cyclosporine toxicity. *Am Fed for Clinical Research*, January, 1986. (Abstract).
- D'Agati V, Silva D (eds.). The Conrad L. Pirani Festschrift. *Am J Kid Dis*, Vol 6, 1986.
- Dagleish AG, Maddon PJ, Littman DR, Clapham PR, Godfrey M, Chess L, Weiss RA, McDougal JS, Axel R. T4: A T cell surface protein mediating cell-cell and cell-AIDS virus interactions. In: Proceedings of the 4th Annual Smith, Kline & French Symposia, 1986.
- Danon MJ, DiMauro S, Shanske S, Archer FL, Miranda AF. Juvenile onset acid maltase deficiency with unusual familial features. *Neurology* 36:818-822, 1986.
- Davidson M, Miranda AF. Effects of increased extracellular K + on creatine kinase (CK) and phosphoglycerate mutase (PGAM) accumulation and differentiation in muscle culture. In *Vitro* 21:48A, 1985 (Abstract).

- DiMauro S, Shanske S, Miranda AF, Sakoda S, Servidei S, Davidson M, Bonilla E, Schon EA. Disorders of glycogen metabolism. *Muscle & Nerve* 9:Suppl, 6, 1986 (Abs).
- di Sant'Agnese A, deMey Jensen K, O'Toole K. Neuroendocrine differentiation in prostatic carcinoma. *Lab Invest* 54:16A, 1986.
- Ellner PD, Johnson E, Hosmer M, Rodriguez E. Rarity of Legionella in "routine" sputum specimens. *European J Clin Microbiol* 4:425, 1985.
- Ellner PD, Neu H, Fink D: Interpretive report format for antimicrobial susceptibility testing. In: 14th International Congress of Chemotherapy Abstracts, Kyoto, p 37, 1986.
- Eftekhari NS, Doty S, Johnston AD, Parisien M. Prosthetic synovitis. A morphological and biochemical study. *Orthopaedic Transactions*, Vol 9, p 206, 1985.
- Prosthetic Synovitis, Chapter 13, In: The Hip. Proceedings of the 13th Open Scientific Meeting of the Hip Society. Fitzgerald RH, Ed. CB Mosby Pub, 1985.
- Fawcax RA, Iga C, Marboe CC, Nowygrod R, Reemtsma K, Hardy MA. Diagnosis of cardiac allograft rejection with Indium-111 labeled platelets in cyclosporin-treated rats. *Transplantation Proceedings* 17(1):237-239, 1985.
- Feinfeld DA, Benvenisty A, D'Agati V, Hardy MA. Cyclosporin A and urine glutathione-S-transferase. *Proc EDTA-ERA* 22:561-565, 1985.
- Ferenczy A, Mitao M, Nagai N, Silverstein S, Crum CP. Latent papillomavirus and recurring genital warts. *New Engl J of Med* 313:784-788, 1985.
- Fisher PB, Miranda AF, Babiss LE. Measurement of the effect of interferons on cellular differentiation in murine and human melanoma cells. In: *Methods in Enzymology*, Vol 119, PtC (s. Pestka, Ed.) Academic Press, New York, pp 611-618, 1986.
- Getrajdman GI, O'Toole KM, Laffey KJ, Martin EC. Cystic duct occlusion and transcatheter sclerosis of the gallbladder in the rabbit. *Invest Rad* 21:400-403, May 1986.
- Godman GC, Tannenbaum J, Brett JB. Augmented stress fiber arrays after cytopharmacologic disassembly of microtubules. *Fed Proc* 45(3):467, 1986.
- Grimes MM, Lattes R, Jaretzki A. Cystosarcoma phyllodes: Report of an unusual case, with death due to intraneural extension to the central nervous system. *Cancer* 56:1691-1695, 1985.
- Halasz C, Silvers D, Crum CP. Bowenoid Papulosis in three year old girl. *J Am Acad Dermatopath* 14:326-330, 1986.
- Herbert J, Wilcox JN, Pham KTC, Fremereau T Jr, Zeviani M, Dwork A, Soprano DR, Makeover A, Goodman DeWS, Zimmerman EA, Roberts JL, Schon EA. Transthyretin: A choroid plexus-specific transport protein in human brain. *Neurology* 36:900-911, 1986.
- Isobe M, Huebner K, Maddon PJ, Littman DR, Axel R, Croce, CM. The gene encoding the T cell surface protein T4 is located on human chromosome 12. *Proc Natl Acad Sci USA* 83:4399-4402, 1986.
- Johnson, HA. The other Flexner report. How Abraham Flexner was diverted from medical schools to brothels. *The Photos of Alpha Omega Alpha* 49(2):9-12, 1986.
- Relations between normal aging and disease. Raven Press, NY, 1985.
- Kaunitz, H. Is cholesterol metabolism in aging and arteriosclerosis an adaptive process? *Fed Proceedings* 45, March 1986.
- Medium chain triglycerides (MCT) in aging and arteriosclerosis. *J Environ Pathology* 6:115-125, 1986.
- Kurlansky P, Dresdale A, McManus, R, Michler R, Sachs H, Thomas W, Lau H, Hardy M, Marboe CC, Reemtsma K, Rose EA. Prolongation of canine cardiac allograft using donor specific buffy coat transfusions. *Transplantation Proceedings* 42:98-101, 1986.
- Lefkowitz JH, Mendez L. Morphologic features of hepatic lesions in cardiac disease and shock. *J Hepatology* 2:313-327, 1986.
- Liu Z, Lau HT, Hardy MA, Ng AK. Anti-islet of Langerhans cytotoxic lymphocytes from spontaneously diabetic BB rats. *Federation Proc* 44:606, 1985.
- Maddon PJ, Dalgleish AG, McDougal JS, Clapham PR, Weiss RA, Axel R. The T4 gene encodes the AIDS virus receptor and is expressed in the immune system and the brain. *Cell* 47:333-348, 1986.
- Mandl I, Cantor J, Osman M, Turino GM. Elastin biosynthesis. *Connect Tissue Res* 15:9-12, 1986.
- Mansell AL, Velasquez Rojas J, Sillos EM, Stolar CJ, Collins MH, Rovoski SJ. Diaphragmatic activity determines postnatal growth of lung parenchyma in the cat. *J Appl Physiol* 6S; 1098-1103, 1986.
- McDougal JS, Maddon PJ, Dalgleish AG, Clapham PR, Littman DR, Godfrey M, Maddon DE, Chess L, Weiss RA, Axel R. The T4 glycoprotein is a cell surface receptor for the AIDS virus. In: *Proceedings of the Cold Spring Harbor Symposium on the Molecular Biology of Homo Sapiens*. Vol 51, 1986.
- Miranda AF, Babiss LE, Fisher PB. Measurement of the effect of interferons on cellular differentiation in human muscle cultures. In: *Methods in Enzymology*, Vol 119, PtC (S Pestka, Ed) Academic Press, NY, 619-628, 1986.
- Miranda AF, Nakagawa M, Moggio M, Servidei S, Zeviani M, Bonilla E, DiMauro S. Ragged red fibers (RRF). Immunocytochemical evidence for the presence of an immature form of cytochrome oxidase (COX) in their mitochondria. *Muscle & Nerve* 9:Suppl 180, 1986 (Abs).
- Miranda, AF, Bonilla E, DiMauro S, Davidson M, Nakagawa M. Metabolic myopathies in tissue culture. *Muscle & Nerve* 9:Suppl. 81, 1986 (Abs.)
- Moessinger AC. Fetal lung growth in utero-abdominal pregnancy. *Obstet and Gynecol* 68, 5:675-678, 1986.
- Moessinger AC, Millis JL, Harley EE, Ramakrishnan R, Berendes HW, Blanc WA. Umbilical cord length in Down's syndrome, *AJDC* 140:1276-7, 1986.
- Moessinger AC, Collins MH, Blanc WA, Rey Hr, James LS. Oligohydramnios-induced lung hypoplasia: the influence of timing and duration in gestation. *Pediatr Res* 20: 951-54, 1986.
- Neugut A, Johnsen C, Fink D. Reply to comments on colon cancer, colon polyps and cholesterol. *Gastroenterology* 91(1):254-255, 1986.
- Serum cholesterol levels in adenomatous polyps and cancer of the colon. *JAMA* 255(3):365-367, 1986.
- Nuovo GJ, Nagler HM, Fenoglio JJ Jr. Arteriovenous malformation of the bladder presenting as gross hematuria. *Human Pathology* 17:94-97, 1986.
- Ozzello L, De Rosa CM, Konrath JG, Yeager JL, Miller LS. Detection of estrohilin in frozen sections of breast cancers using an estrogen receptor immunocytochemical assay. *Cancer Res* 46:4303-4307, 1986.
- Parisien M, Charhon SA, Arlot M, Mainetti E, Chavassieux P, Meunier PJ. Increased inactive osteoid surfaces in patients having stainable bone aluminum without osteomalacia. *Journal of Bone and Mineral Research*, Vol 1, Suppl 1, June, 1986.
- Parisien M, Dempster DW. Intraindividual variation of structural parameters in the iliac crest bone biopsy. *Proceedings of the Seventh Annual Scientific meeting of the American Society for Bone and Mineral Research*. Washington DC, June, 1985.
- Pesce MA, Bodourian SH. Evaluation of a fluorescence polarization immunoassay procedure for quantitation of methotrexate. *Ther Drug Monit* 8:115-121, 1986.
- Pesce MA. Clinical chemistry and hematology systems for the office-based physician's laboratory. *AACC Pediatric Newsletter* 4, No 2;3-4, 1986.

- Pesce M, Giacom D, Fink D, Blumenfeld T. Quantitation of Theophylline with the vision clinical analyzer. *Clin Chem* 32(6):1071, 1986.
- Poh-Fitzpatrick MB, Whitlock RT, Lefkowitz JH. Changes in protoporphyrin distribution dynamics during liver failure and recovery in a patient with protoporphyria and Epstein-Barr viral hepatitis. *Am J Med* 80:943-950, 1986.
- Ramsay AG, Olesnick L, Pirani CL. Acute tubulo-interstitial nephritis from candida albicans with oliguric renal failure. *Clinical Nephrology* 24:310-314, 1985.
- Ratner SJ, Fenoglio JJ Jr, Ursell PC. Utility of endomyocardial biopsy in the diagnosis of cardiac sarcoidosis. *Chest* 90:528-533, 1986.
- Rush D, Kristel A, Blanc W, Navarro C, Chauhan P, Campbell BM, Rosso P, Winick M, Brasel J, Naeye R, Susser M. The effects of maternal cigarette smoking on placental morphology, histomorphometry, and biochemistry. *Am J Perinatology* 3:263-271, 1986.
- Schulman LL, Grimes MM. Metastatic Kaposi's sarcoma and bilateral chylothorax. *NY State J Med* 86:205-206, 1986.
- Suciu-Foca N, King DW. The significance of the idiotypic anti-idiotypic network in humans. *Transplant Proc* 18:230-234, 1986.
- Suciu-Foca N, Rubinstein P, Rohowsky-Kochan C, Cai J, Popovic M, Gallo R, King DW. Functional modifications of alloreactive T cell clones infected with HTLV-1. *J Immunol* 137(4):1115-1119, 1986.
- Steinberg H, Das KD, Cerreta JM, Cantor JO. Neutrophil kinetics in O2-exposed rabbits. *J Appl Physiol* 61:775-779, 1986.
- Tannenbaum J. Increased actin content in cytochalasin D-treated cells is not caused by a selective decrease in actin degradation. *Cell Biol Int Rept* 9:587, 1985.
- Cytochalasin D alters the rate of synthesis of some HEp-2 cytoskeletal proteins. Examination by two-dimensional electrophoresis. *Eur J Biochem* 155:533-542, 1986.
- Tannenbaum J, Miranda AF. Stimulation of actin synthesis by cytochalasin D is specific for the isoactins normally expressed in muscle or non-muscle cells. *J Cell Sci* 84:253-262, 1986.
- Tata DB, Foresti M, Cordero J, Tomashefsky P, Alfano MA, Alfano RR. Fluorescence polarization spectroscopy and time resolved fluorescence kinetics from native cancerous and normal rat kidney tissue. *Biophys J* 50:463-469, 1986.
- Tennyson VM, Nilaver G, Hou-Yu A, Valiquette G, Zimmerman EA. Immunocytochemical study of the development of vasotocin/mesotocin in the hypothalamo-hypophyseal system of the chick embryo. *Cell Tissue Res* 243:15-31, 1986.
- Tennyson VM, Pham TD, Rothman TP, Gershon MD. Abnormalities of smooth muscle, basal laminae, and nerves in the aganglionic segments of the bowel of lethal spotted mutant mice. *Anat Rec* 215:267-281, 1986.
- Uribe M, Fenoglio-Preiser CM, Grimes M, Feind C. Medullary carcinoma of the thyroid gland. *Amer J Surg Pathol* 9:577-594, 1985.
- Wang YST, Ng AK, Al-Sedairy Fawwaz Ra, Alderson PO. Synthesis of a heterobifunctional chelating agent for radiometallic labelling of antibody. *Cancer Drug Delivery* 2:237, 1985.
- Wang TST, Ng AK, Fawwaz RA, Al-Sedairy S, Alderson PO. A new approach to quantitation of DTPA incorporation into monoclonal antibodies (MoAbs) labeled by the cyclic anhydride DTPA method. *J Nucl Med* 26:26, 1985.
- Wang TST, Ng AK, Fawwaz RA, Liu Z, Alderson PO. Heterobifunctional reagents: A new approach to radiolabeling of monoclonal antibodies. *J Nucl Med* 26:46, 1985.
- Yunis EJ, Awdeh Z, Johnson A, Suciu-Foca N, Robinson MA, Hartzman R, Raum D, Fleischnick and Alper CA. Complotype genetic loci segregate more frequently with HLA-DR than with HLAL-B. *Immunogenetics* 21(1):25-33, 1985.
- Zegarelli D. Disorders of the head and neck. Chapter pages 440-473, American College of Radiology, 1985.
- Zeviani M, Sakoda S, Miranda AF, Bonilla E, Sherbany A, DiMauro A, Schon EA. Cytochrome c oxidase deficiencies: A molecular genetic approach. *Muscle & Nerve* 9:Suppl:184, 1986 (Abs).

- Abramowitz A, Granot E, Tamir I, Deckelbaum RJ: The two-hour lactose breath hydrogen test. *J Pediatr Gastroenterol Nutr* 5:130-133 1986.
- Addonizio LJ, Michler RE, Marboe C, Esser PE, Johnson LL, Seldin DW, Rose EA, Gersony WM, Cannon PJ: Non-invasive imaging of Cardiac allograft rejection using Indium-111 monoclonal anti-myosin (Abstract). *Am J Cardiol* 7:102A, 1986.
- Spect imaging of cardiac transplant rejection using Indium-111 antimyosin antibody (Abstract). *J Nuclear Med* 27:1910, 1986.
- Addonizio LJ, Robbins RC, Reison DS, Drusin RE, Smith CR, Rose EA: Is high pulmonary vascular resistance a contraindication to cardiac transplantation? (Abstract). *Circulation* 75 (Part II):218, 1986.
- Addonizio LJ, Johnson L, Jacobs JC, Gersony WM. Abnormal diastolic function after Kawasaki disease: a radionuclide assessment. In: Doyle EE, Engle MA, Gersony WM, Rashkind WJ, Talner NS (Eds.) *Pediatric Cardiology: Proceedings Of The Second World Congress*. Springer Verlag, New York, pp. 1097-1098, 1986.
- Addonizio LJ, Johnson LL, Gersony WM: Noninvasive evaluation of ventricular function in children using the non-imaging cardiac probe. (Nuclear Stethoscope). In: Doyle EE, Engle MA, Gersony WM, Rashkind WJ, Talner NS (Eds.): *Pediatric Cardiology*. Springer Verlag, New York, Berlin, Heidelberg, Tokyo, 205-210, 1985.
- Andiman WA, Eastman R, Martin K, Katz BZ, Rubinstein A, Pitt J, Pahwa S and Miller G. Opportunistic lymphoproliferations associated with Epstein-Barr viral DNA in infants and children with AIDS. *Lancet* 2:1390-1393, 1985.
- Bank A, Donovan-Peluso M, LaFlamme S, Rund D, Lerner N: Approaches to gene therapy for B thalassemia. In Flucharoen S. et al (Eds.). *International Conference of Thalassemia*. New York. March of Dimes Birth Defects Foundation, 1986.
- Bateman D, Wung JT, James LS: Management of newborn infant in the delivery room. In *Current Pediatric Therapy*, Gellis and Kagan (eds.). 12th edition, W.B. Saunders, 696-700, 1986.
- Bazzy AR, Korten JB, Hadad GG: Increase in electromyogram low-frequency power in nonfatigued contracting skeletal muscle. *Jour Appl Physiol* 61:1012-1017, 1986.
- Benkow KJ, Kazlow PG, Wayne J, Leleiko NS: Percutaneous endoscopies in children. *Pediatrics* 77:248-250 1986.
- Bierman FZ: Echo and the unborn: diagnosing the fetal heart. *Cardiology* 1:34-39, 1985.
- Bierman FZ: Two dimensional echocardiographic imaging of the hypoplastic right and left heart complexes and the single ventricular/univentricular heart in neonates and infants. In Giuliani, ER (Ed.): *Two-dimensional real time ultrasonic imaging of the heart*. Martinus-Nijhoff, Boston, 369-370, 1985.
- Blaner WS, Smith JE, Dell RB, Goodman DS: Spatial distribution of retinol-binding protein and retinyl palmitate hydrolase activity in normal and vitamin A deficient rat liver. *Jour Nutr* 115:856-864, 1986.
- Blum CB, Dell RB, Palmer RH, Ramakrishnan, R, Seplowitz AH, Goodman DeW: Relationship of the parameters of body cholesterol metabolism with plasma levels of HDL cholesterol and the major HDL apoproteins. *Jour Lipid Res* 26:1079-1088, 1986.
- Brenner RW, Sank LI, Kerner MB, Schrager GO, Elquezebal A, Roth J: Resection of a vipoma of the pancreas in fifteen year old. *J Ped Surg*. 21(11):983, 1986.
- Bressman S, Fahn S, Eisenberg M, Brin M, Maltese WA: Biotin-responsive encephalopathy with myoclonus, ataxia and seizures. *Adv Neurol* 43:119-125, 1986.
- Brin MF, Pedley TA, Lovelace R, Emerson RG, Gouras P, Mackay C, Kayden HJ, Levy J, Baker H: Electrophysiologic features of abetalipoproteinemia. *Neurology* 36:669-673, 1986.
- Buchin PJ, Levy JS, Schullinger JN: Down syndrome and the gastrointestinal tract. *Jour Clin Gastroenterol* 8:111-114, 1986.
- Carpentier YA, Bihain BE, Deckelbaum RJ: Fat emulsions are more than energy suppliers. *Infusionstherapie* 13:182-184, 1986.
- Chin AJ, Yeager SB, Sanders SP, Williams RG, Bierman FZ, Burger B, Norwood W, and Castaneda AR: Accuracy of prospective two dimensional echocardiograph evaluation of left ventricular out-flow tract in complete transposition. *Am Jour Cardiol* 55:759-764, 1985.
- Clark NM, Feldman C, Evans D, Duzey O, Levison MJ, Wasilewski Y, Kaplan D, Rips J, Mellins RB: Children, parents, and asthma. *Patient Education and Counseling* 8:27-38, 1986.
- Clark NM, Feldman C, Evans D, Levison MJ, Wasilewski Y, Mellins RB: The impact of health education on frequency and cost of health care utilization by low income children with asthma. *Jour Aller Clin Immunol* 78:108-115, 1986.
- Cunningham AS: The boy with Kimura's disease. *Jour Aller Clin Immunol* 75:629-630, 1985.
- Cunningham AS: Breast vs bottle feeding. *Clin Pediatr* 24:359-360, 1985.
- Cunningham AS: May JJ, Fink JN: Farmer's lung in a 10 year-old boy. *NY State Jour Med* 85:685-660, 1985.
- Cunningham AS Venkataraman PS, Tsang RC: Persistent secondary hyperparathyroidism in infants fed humanized cow milk formula. *Am Jour Dis Child* 139:118, 1985.
- Cunningham AS: Bovine leukaemia virus and multiple sclerosis. *Nature* 320:219, 1986.
- Increased risk of sudden infant death syndrome in older infants at weekends. *Brit Med Jour* 293:956, 1986.
- The future of rural maternity units. *Jour Am Med Assoc* 256:1001-1002, 1986.
- Davidson D, Stalcup SA, Mellins RB: Systemic hemodynamics affecting cardiac-output during hypocapnic and hypercapnic hypoxia. *Jour Appl Physiol* 60:1230-1236, 1986.
- Davis WJ: Allergy. In Tapley DF, Weiss RJ, Morris TQ (Eds.) *The Columbia University Complete Medical Guide*, Crown Publishers, New York, 1985 pp 637-650.
- Deanfield J, Franklin R, McKenna W, Dickie S, Gersony WM, Hallidie-Smith K: Prognostic significance of ventricular arrhythmias after repair of tetralogy of Fallot: A prospective study. In: Doyle EF, Engle MA, Gersony WM, Rashkind WJ, Talner NS (Eds.): *Springer Verlag*, New York, Berlin, Heidelberg, Tokyo, 1985, pp 467-468.
- Deckelbaum RJ, Eisenberg S, Oschry Y, Sharon I, Bengtsson-Olivecrona G: Conversion of human plasma high density lipoprotein-2 to high density lipoprotein-3: roles of neutral lipid exchange and lipase. *Jour Biol Chem* 261:5201-5208, 1986.
- Dell RB, Ramakrishnan R, Palmer R, Goodman DS: A convenient 6-point blood sampling schedule for determining whole body cholesterol kinetics in humans. *J Lipid Research* 26:575-582, 1985.
- DeLeval M, Bull C, Hopkins R, Rees P, Deanfield J, Raylor JFN, Gersony WM, Stark J, McCartney FJ: Decision-making in the definitive repair of the heart with a small right ventricular defect. *Circulation* 72 (Suppl. II):52-60, 1985.
- Dell RB, Mott GE, Jackson EM, Ramakrishnan R, Carey KD, McGill HC, Goodman DS: Whole body and tissue cholesterol turnover in the baboon. *Jour Lipid Research*, 26:327-337, 1985.
- DeVivo DC: Do animals develop Reye Syndrome. *Jour Natl Reye Synd Fdn* 6:17-37, 1986.

- DeVivo DC, Tress E, DiMauro S: Cultured human skin fibroblasts and cerebral oxidative metabolic defects: normative data and Leigh's syndrome. *Ann Neurol* 20:423-424, 1986.
- DeVivo DC: Reye syndrome. In: Johnson RT (Ed): *Current Therapy in Neurologic Disease* 1985-1986 ed. BC Decker, Toronto, pp. 322-325.
- Reye syndrome. In: Swaiman K (Ed): *Neurologic Clinics*. 3:95-115, 1985.
- DeVivo DC, Dodge PR: Head Injury. In: Dickerman JD, Lucy JF (Eds): *The Critically Ill Child*, Saunders, Philadelphia, 1985, pp 200-211.
- DiMauro S, DeVivo DC: Disorders of glycogen metabolism. *Handbook of Neurochemistry* 10:1-13, 1985.
- DiMauro S, Bonilla E, Zeviani M, Nakagawa M, DeVivo DC: Mitochondrial Myopathies. *Ann Neurol* 17:521-538, 1985.
- Donnelly C, Addonizio L, Bierman F: Systolic left ventricular and aortic blood flow response to increasing systemic vascular resistance (abstract). *Ped Res* 19:126A, 1985.
- Donnelly CM, Lerner N, Blei F, Bottalico L, Bierman FZ: Systolic/diastolic partitioning of regional systemic blood flow (abstract). *Circulation* 74:380, 1986.
- Donnelly C, Bierman F: Gated pulsed Doppler assessment of simple coarctation of the aorta in pediatric patients (abstract). *Ped Res* 19:126A, 1985.
- Donnelly DF, Haddad GG: Respiratory changes induced by prolonged laryngeal stimulation in awake piglets. *Jour Appl Physiol* 61:1018-1024, 1986.
- Donnelly DR, Nolan WF, Smith EJ, Dutton RE: Interspike interval dependency from arterial chemoreceptors. *Jour Appl Physiol* 59:1566-1570, 1985.
- Downey J, Ehrhardt AA, Gruen R, Morishima A, Bell J: Turner syndrome versus constitutional short stature. In: Stabler B, Underwood LE (Eds.): *Slow grows the child: Psychosocial aspect of growth delay*. Lawrence Erlbaum Assoc., Hillsdale, NJ and London, 1986. pp. 123-138.
- Ehrlich M, Bierman FZ, Ellis K, Gersony WM: Hypoplastic left heart syndrome: report of a unique survivor. *Jour Am Coll Cardiol* 7:361-365, 1986.
- Emerson RG, Sgro JA, Pedley TA, Stein BM: A new real-time evoked potential system for neurosurgical monitoring (Abstract). *Electroenceph Clin Neurophysiol* 64:38P, 1986.
- Emerson RG, Pavlakakis SG, Carmel PC, DeVivo DC: Use of spinal somatosensory evoked potentials in the diagnosis of tethered cord. *Ann Neurol* 20:443-444, 1986.
- Emerson RG, Sgro JA: Phase synchroized triggering: A method for coherent noise elimination in evoked potential recording (Abstract). *Electroenceph Clin Neurophysiol* 61:17P, 1985.
- Feldman BR: *The Complete Book of Children's Allergies*, Times Books, New York, pp. 1-307, 1986.
- Fernandez RJ, Civantos F, Tress E, Maltese WA, DeVivo DC: Normal fibroblast mitochondrial malic enzyme activity in Friedreich's Ataxia. *Neurology* 36:864-867, 1986.
- Flug G, Dodson L, Wolff J, Guarini L, Rausen A, Wang CY, Knowles DM: B-lymphocyte associated differentiation antigen expression by "Non-B, Non-T" acute lymphoblastic leukemia, *Leukemia Research*, Pergamon Press, Ltd., 1985, pp 1051-1058.
- Fomon SJ, Heird WC (Eds): *Energy and protein needs during infancy*. New York, Academic Press, 1986.
- Friedman DM, Bierman FZ, Barst R: Gated pulsed Doppler evaluation of isolated pulmonary vascular disease in children. *Am Jour Cardiol* 53:369-370, 1986.
- Gaffney JW, Bierman FZ, Donnelly CM, Sutton M, Piomelli S: Cardiovascular response to chronic transfusion in Sick Cell anemia (abstract). *Circulation* 74(II):336, 1986.
- Gershon A, Steinberg S, Gelb L, The NIAID Varicella Vaccine Collaborative Study Group. Live attenuated varicella vaccine use in immunocompromised children and adults. *Pediatrics* 78:757-762, 1986.
- Gershon A. Live attenuated varicella vaccine. *Jour Infect Dis* 152:859-862, 1985.
- Viral Hepatitis. In *Current Therapy in Pediatric Infectious Disease*, J. Nelson (Ed.), B.C. Decker, Toronto, Philadelphia. 1986, pp 59-60.
- Gersony WM, O'Neill LD: The critically ill infant with congenital heart disease. In: Doyle EF, Engle MA, Gersony WM, Rashkind WJ, Talner NS (Eds.): *Pediatric Cardiology*. Springer Verlag, New York, Berlin, Heidelberg, Tokyo, 1985 pp. 760-763.
- Gersony WM: Neonatal pulmonary hypertension: clinical review. In: Doyle EF, Engle MA, Gersony WM, Rashkind WJ, Talner NS (Eds.): *Pediatric Cardiology*. Springer Verlag, New York, Berlin, Heidelberg, Tokyo, 1985, pp 876-879.
- Cardiac arrhythmias. In: Gellis SS, Kagan BM (Eds.): *Current Pediatric Therapy* 12. W.B. Saunders Co., Philadelphia, London, Toronto, 1986, pp. 143-148.
- Golden SM, and Peters D: Delivery room care. *Handbook of Neonatal Intensive Care*, Merenstein GB and Gardner S, eds, CV Mosby Co, St. Louis, Toronto, Princeton, pp 31-55, 1985.
- Goldstein CS, Garrick RE, Polin RA, Gerdes JS, Kolski GB, Neilsen EG, Douglas SD: Fibronectin and complement secretion by monocytes in peritoneal macrophages in vitro from patients undergoing continuous ambulatory peritoneal dialysis. *Jour Leuk Biol* 39:457-464, 1986.
- Griffiths SP: Acute rheumatic fever. In: Gellis SS, Kagan RM (Eds.): *Current Pediatric Therapy* 12. W.B. Saunders, Co., Philadelphia, London, Toronto, 1986, pp. 143-148.
- Grover R, Newman S, Wethers D, Anyane-Yeboah K, Pass K: New-born screening for hemoglobinopathies: the benefits beyond the target. *Amer Jour Pub Hlth*, 76:1236, 1986.
- Haddad GG, Akabas SR: Adaptation of respiratory muscles to acute and chronic stress: considerations on energy fuels. *Clin Chest Medicine*. 7:79-89, 1986.
- Harrison KB, Warburton D: Preferential X-chromosome activity in human female placental tissues. *Cytogen Cell Genet* 41:163-168, 1986.
- Hayes CJ, Gersony WM, Bowman FO, Malm JR: Critical aortic stenosis in infancy. In: Doyle EF, Engle MA, Gersony WM, Rashkind WJ, Talner NS (editors): *Pediatric Cardiology*. Springer Verlag, New York, Berlin, Heidelberg, Tokyo, 1985, pp 513-514.
- Hayes CJ, Gersony WM: Arrhythmias after the Mustard operation for transposition of the great arteries: a long-term study. *Amer Jour Coll Cardiol* 7:133-137, 1986.
- Heird WC, Grundy SM, Hubbard VS: Structured lipids and their use in clinical nutrition. (Report of—NIDDKD—sponsored workshop) *Amer Jour Clin Nutr* 43:320-324, 1986.
- Heird WC: Lipid metabolism in parenteral nutrition. In: *Energy Protein Needs During Infancy*. Fomon SJ, Heird WC (Eds.), Academic Press New York 1986 pp. 215-228.
- Total parenteral nutrition. In: *Handbook of Clinical Nutrition in Pediatrics*, Fores GB (Ed.) American Academy of Pediatrics, Elk Grove, IL, 1986, pp 154-163.
- Hordof A, Mary-Rabine L, Rosen M: Automaticity in human atrial fibers: relationship to membrane potential and modification by pharmacologic agents. In: Doyle EE, Engle MA, Gersony WM, Rashkind WJ, Talner NS (Eds.): *Pediatric Cardiology*. Springer Verlag, New York, Berlin, Heidelberg, Tokyo, 1985, pp 430-432.

- Jacobs JC (Ed). Pediatric Rheumatology. *Ped Ann* 15:557-648, 1986.
- Jacobs JC. Management strategies in Kawasaki disease. *Ped Ann* 15:621-627, 1986.
- Jacobs JC, Stevens M, Duray P. Lyme disease simulating septic arthritis. *Jour Amer Med Assoc* 256:1138-1139, 1986.
- Kasznicza J, Ursell P, Gersony W, Blanc W: Coronary artery abnormalities in pulmonary atresia with intact ventricular septum (abstract). *Amer Jour Cardiol* 7:75A, 1986.
- Katz M. Anthelmintics: current concepts in the treatment of helminthic infections. *Drugs* 32:358-371, 1986.
- Kaufman S, Yeh M, Bierman FZ: Fetal aortic blood flow: Doppler model for low systemic vascular resistance (abstract). *Circulation* 74(II):381, 1986.
- Kaplan DL, Rips JL, Clark NM, Evans D, Wasilewski Y, Feldman CH: Transferring a clinic-based health education program for children with asthma to a school setting. *Jour School Health* 56:267-271, 1986.
- Kashyap S, Forsyth M, Zucker C, Ramakrishnan R, Dell RB, Ileird WC: Effects of varying protein and energy intakes on growth and metabolic response of low birth weight infants. *Jour Pediatr* 108:955-963, 1986.
- Kazlow PG, Shah V, Benkov KJ, Dische R, Leliko NS: Esophageal cryptosporidiosis in a child with AIDS. *Gastroenterology* 91:1301-1303, 1986.
- Kiely JL, Paneth N, Susser MW. Fetal death in labor: an epidemiologic indicator of level of obstetric care. *Amer Jour Obs Gyn* 153:721-727, 1985.
An assessment of maternal age and parity in different components of perinatal mortality. *Amer Jour Epidemiol* 123:444-454, 1986.
Preventability of fetal death during labor: epidemiologic studies and ongoing surveillance using New York City vital records. Proceedings of the 1985 Public Health Conference on Records and Statistics. National Center for Health Statistics, Hyattsville, 1985.
- Kline J, Stein Z, Susser M, Warburton D: Induced abortion and the chromosomal characteristics of subsequent miscarriages (spontaneous abortions). *Amer Jour Epidemiol* 123:1066-1079, 1986.
- Korman SH, LeBlanc SH, Spira DJ, Reifen RM, Deckelbaum RJ: Giardia lamblia: Identification of different strains from man. *Parasitol Res (Z. Parasitenkd)* 72:173-180, 1986.
- Kravis LP, Kolski GB: Death and asthma. *Amer Jour Dis Child* 139:1180-1181, 1985.
Unexpected death in childhood asthma. *Amer Jour Dis Child* 139:558-563, 1985.
- Krongrad E, Demarest RJ: Aortic stenosis. *Masters in Cardiology* 3:25-27, 1986.
- Krongrad E, O'Neill LD: Near miss SIDS episodes? A clinical electrocardiographic correlation. *Pediatrics* 77:811-815, 1986.
- LaRussa P, Steinberg S, Seeman M, Gershon A. Detection of immunity to varicella by an intradermal skin test. *Jour Infect Dis* 152:869-875, 1985.
- Legatt AD, Pedley TA, Emerson RG, Stein BM, Abramson M: Normal short-latency auditory evoked potentials with abnormal latency-intensity studies in patients with acoustic neuromas (abstract). *Neurology* 36 (Suppl 1):332, 1986.
- Legatt AD, Pedley TA, Emerson RG, Stein BM, Abramson M, Dowling K, Gallo E: Electrophysiological monitoring of 7th and 8th nerve function during surgery for acoustic neuromas (abstract). *Electroenceph Clin Neurophysiol* 64:30P, 1986.
- Levy J, Kolski G, Scanlon TF: Hemoptysis and anemia in a three-year-old boy. *Ann Allergy*, 55:439-440 and 486-489, 1985.
- Lipton JM, Kudsich M, Gross R, Nathan DG: Defective erythroid progenitor differentiation system in congenital hypoplastic (Diamond-Blackfan) anemia. *Blood* 67:962-968, 1986.
- Lovelace RE, Pedley TA, Brin MF, Emerson RG, Gouras P: Clinical neurophysiology of abetalipoproteinemia: functional consequences of vitamin E deficiency (abstract). *Electroenceph Clin Neurophysiol* 61:5190, 1985.
- Maltese WA, Bressman S, Fahn S, DeVivo DC: Acetylcholinesterase activity in patients with torsion dystonia: measurement in erythrocyte membranes. *Arch Neurol* 42:154-155, 1985.
- Maltese WA, Defendini R, Green RA, Sheridan KM, Donley DK: Suppression of murine neuroblastoma growth *in vivo* by mevinolin, a competitive inhibitor of 3-hydroxy-3-methylglutaryl coenzyme A reductase. *Jour Clin Invest* 76:1748-1754, 1985.
- Maltese WA, Aprille JR: Relation of mevalonate synthesis to mitochondrial ubiquinone content and respiratory function in cultured neuroblastoma cells. *Jour Biol Chem* 260:11524-11529, 1985.
- Maltese WA, Bressman S, Fahn S, DeVivo DC: Acetylcholinesterase activity in erythrocyte membranes from patients with torsion dystonia. *Arch Neurol* 42:154-155, 1985.
- Maltese WA, Sheridan KM: Differentiation of neuroblastoma cells induced by an inhibitor of mevalonate synthesis: Relation of neurite outgrowth and acetylcholinesterase activity to changes in cell proliferation and blocked isoprenoid synthesis. *Jour Cell Physiol* 125:540-558, 1985.
Subcellular distribution of proteins labeled with mevalonate in cultured cells exposed to an inhibitor of 3-hydroxy-3-methylglutaryl coenzyme A reductase. *Fed Proc* 45:1974, 1985.
Mevinolin-induced neuroblastoma differentiation relation to cell cycling (abstract). *Trans Amer Soc Neurochem* 16:308, 1985.
- Mellins RB, Chernick V, Clyde W, Farrell P, Glezen WP, Riggato H, Taussig L: Pediatric Respiratory Disorders. US Dept. of Health and Human services, PHS NIH Pub No. 86-2107, October 1985.
- Morishima A, Aranoff GS: Syndrome of septo-optic-pituitary dysplasia. *Brain Develop* 8:100-101, 1986.
Syndrome of septo-optic-pituitary dysplasia: the clinical spectrum. *Brain Develop* 8:233-239, 1986.
- O'Brodovich HM, Mellins RB: Bronchopulmonary dysplasia: unresolved neonatal acute lung injury. *Amer Rev Resp Dis* 132:694-709, 1985.
- O'Neill LD, D'Angelo EJ: A study of the surgical decision-making process of parents who have infants with a congenital heart defect. In Doyle EE, Engle MA, Gersony WM, Rashking WJ, Talner NS (Eds.): *Pediatric Cardiology*. Springer Verlag, New York, Berlin, Heidelberg, Tokyo, 1985, pp 767-764.
- Palmer RH, Nicholls AV, Dell RB, Ramakrishnan R, Lindgren FT, Gong EL, Blum CB, Goodman DS: Lack of relationship in humans of the parameters of body cholesterol metabolism with plasma levels of subfractions of HDL or LDL, or with apoE metabolism with plasma levels of subfractions of HDL or LDL, or with apoE isoform phenotype. *Journal of Lipid Research* 27:637-644, 1986.
- Paneth N, Wallerstein S: Extra-corporeal membrane oxygenation and the play the winner rule. (Commentary) *Pediatrics* 76:622-623, 1985.
- Paneth N, Kiely JL, Wallerstein S, Snook C, Susser MW: Medical care and the premature infant of normal birthweight. *Pediatrics* 77:158-166, 1986.
- Paneth N: The etiology of cerebral palsy. *Pediatric Annals* 15:191-201, 1986.
Birth and the origins of cerebral palsy. (Editorial) *New Eng Jour Med* 315:124-126, 1986.
- Pavakis SG, Phillips PC, DiMauro S, DeVivo DC, Rowland LP: MELAS, reply (abstract). *Ann Neurol* 18:826, 1985.

- Pavakis SG, Prohovnik I, Ince C, Myer P, Cirella B, Mohr JP, Piomelli S, DeVivo DC: "Vascular" headache in sickle cell disease. *Ann Neurol* 20:407-408, 1986.
- Pavakis SG, Bello J, Ince C, Myer P, Cirella B, Hilal S, Mohr JP, Piomelli S, DeVivo DC: Sickle Cell Disease, MRI, and Stroke. *Ann Neurol* 20:432, 1986. ABSTRACT.
- Pavakis SG, Prohovnik I: Incerine in the emergency treatment of acute childhood asthma. *Ped Pulmon*, 2:23-236, 1986.
- Piomelli S, Seaman C, Cirella B, Ince C, Meyer B, Pavlakis SG, Shaeffer-Rego R, Bank A, Mears G: Does alpha thalassemia protect from early stroke in sickle cell anemia (abstract) *Pediatric Research* 20(4):285A, 1986.
- Piomelli S: G6PD-related neonatal jaundice. In Beutler E, Yoshida A (Eds): *Glucose-6-Phosphate Dehydrogenase*. Academic Press, New York 1986, pp 95-108.
- Piomelli S, Poh-Fitzpatrick M, Seaman C, Skolnick L, Berdon W: Complete suppression of the symptoms of congenital erythropoietic porphyria by long-term treatment with high-level transfusions. *New Eng Jour Med* 314:1029-1031, 1986.
- Piomelli S, Seaman C, Corash L: How do red cell enzymes age? Hypothesis and facts. *Brit Jour Haematol* 64:407-408, 1986.
- Prohovnik I, Pavlakis S, DeVivo DC, Piomelli S: Sickle Cell Disease, Cerebral Hyperemia and Stroke (abstract). *Ann Neurol* 20:432, 1986.
- Risch N, Stein Z, Kline J and Warburton D: The relationship between maternal age and chromosome size in autosomal trisomy. *Amer Jour Hum Genet* 39:68-78, 1986.
- Sadoul N, Bazy AR, Akabas SR, Haddad GG: Ventilatory response to fatiguing and non fatiguing loads in awake sheep. *Jour Appl Physiol* 59:969-978, 1985.
- Schaeffer JI, Haddad GG: Regulation of ventilation and O₂ consumption by delta and mu-receptor agonists. *Jour Appl Physiol* 59:959-968, 1985.
- Schulze K, Stefanski M, Masterson J, Kashyap S, Sanocka U, Forsythe M, Ramakrishnan R, Dell RB: An analysis of the variability in estimates of neonatal bioenergetic variables. *Ped Res* 20:422-427, 1986.
- Seaman C, Ackerman K, Piomelli S: The determinant factors for safe exchange transfusions in sickle cell syndromes (abstract). *Ped Res* 20:285A, 1986.
- Servidei S, Zeviani M, DiMauro S, DiRocco M, DeVivo DC, DiDonato S, Uziel G, Berry KE, Normal MG, Hoganson G, Johnsen SD, Johnson PC: Cytochrome oxidase deficiency in Leigh Syndrome. *Ann Neurol* 200:400 Abstract, 1986.
- Sgro JA, Emerson RG, Pedley TA: Statistical outlier elimination—a method for reduction of the noise power of unaveraged evoked potential data (abstract) *Electroenceph Clin Neurophysiol* 64:41P, 1986.
- Reinvestigation of state-dependent changes in short-latency somatosensory evoked potentials (abstract). *Neurology* 36 (Suppl 1):II, 1986.
- Real-time reconstruction of changing evoked potentials: applicability to operating room monitoring and assessment of cognitive function (abstract). *Electroenceph Clin neurophysiol* 61:S229, 1985.
- A method for recording non-time stable evoked potentials (abstract). *Electroenceph Clin Neurophysiol* 61:17P, 1985.
- Real-time reconstruction of evoked potentials using a new two-dimensional filter method. *Electroenceph Clin Neurophysiol* 62:372-380, 1985.
- Sgro JA, Emerson RG: Phase synchronized triggering: a method for coherent noise elimination in evoked potential recording. *Electroenceph Clin Neurophysiol* 60:372-380, 1985.
- Shapiro LR, Wilmot PL, Brenholz P: The fragile X syndrome: experience with prenatal diagnosis. *Amer Jour Hum Genet* 36:196S, 1985.
- Sonnenberg EM, Barnett ML, Strassburger K, Ziring PR: Cachexia in a mentally retarded adolescent secondary to mandibular dislocation—case report. *Develop Med Child Neurol* 27:374-376, 1985.
- Spector SL, Lewis CE, Feldman CH, Haynes RB, Alexander M, Kinsman R, Menedez R, Sbarbara J: Workshop 6: compliance factors in report of American Academy of Allergy and Immunology Task Force on Guidelines for Clinical Investigation of Non-bronchodilator Antiasthmatic Drugs. *Jour Aller Clin Immunol* 78:529-533, 1986.
- Spitz MC, Emerson RG, Pedley TA: A comparison of median and posterior tibial somatosensory evoked potentials in patients with multiple sclerosis (abstract). *Electroenceph Clin Neurophysiol* 64:31P, 1986.
- Dissociation of the frontal N100 from the occipital P100 in pattern reversal VEP's (abstract). *Electroenceph Clin Neurophysiol* 61:31P, 1985.
- Starc TJ, Gersony WM: Progressive obstruction of the foramen ovale in patients with left atrioventricular valve atresia. *Jour Am Coll Card* 7:1099-1103, 1986.
- Starc TJ, Bowman FO, Hordof AJ: Congestive heart failure in a newborn secondary to coronary artery-left ventricular fistula. *Jour Am Coll Card* 58:366-367, 1986.
- Starkman HS, Gleason R, Rand L, Soeldner JS and Miller D: Limited joint mobility (LJM)—demographics and association with complications in subjects with juvenile and adult onset diabetes mellitus. *An Rheum Dis*, 45:130-135, 1986.
- Steeg CN, Bierman FZ, Hayes C, Hordof A, Krongrad E, Barst R: "Bedside" balloon septostomy for infants with transposition of the great arteries: New concepts using two-dimensional echocardiographic techniques. *Jour Ped* 107:944-946, 1985.
- Strobino B, Fox HE, Kline J, Stein Z, Susser M, Warburton D: Characteristics of women with recurrent spontaneous abortions and women with favorable reproductive histories. *Amer Jour Pub Hlth*, 76:986-991, 1986.
- Susser MW, Hauser WA, Kiely JL, Paneth N, Stein ZA: Epidemiologic estimates of prenatal and perinatal risk factors for perinatal mortality, cerebral palsy, mental retardation and epilepsy. In: Freeman J, (Ed.) *Prenatal and perinatal risk factors associated with brain disorders*. USDHEW, NIH publication no. 85-1149, 1985, pp. 359-439.
- Szer IS, Jacobs JC. Systemic lupus erythematosus in childhood. Lahita RG (Ed.). *Systemic Lupus Erythematosus*. John Wiley, New York, pp. 383-412, 1986.
- Trachtman H, Hammerschlag M, Tejani A, Skinberg S, Gershon A. A longitudinal study of varicella immunity in pediatric renal transplant recipients. *Jour Infect Dis* 154:335-337, 1986.
- Trevisan CP, Reichmann H, DeVivo DC, DiMauro S: Beta-oxidation in normal human muscle and in muscle from a patient with an unusual form of myopathic carnitine deficiency. *Muscle Nerve* 3:672-675, 1985.
- van der Hauwaert L, Takeo A, Rowe RD, Gersony WM, Cook DH: Results of an international cooperative study on Kawasaki disease. In Doyle EE, Engle MA, Gersony WM, Rashkind WJ, Talner NS (Eds.): *Pediatric Cardiology*. Springer-Verlag, New York, Berlin, Heidelberg, Tokyo, 1985, p. 1107.
- Varma DR and Ramakrishnan R. A rat model for the study of transplacental pharmacokinetics and its assessment with antipyrine and aminoisobutyric acid. *Jour Pharm Meth* 14:61-74, 1985.

- Warburton D, Byrne J: Estimates of the prevalence of chromosome anomalies expected in the chorionic villus sampling procedures. In: Brambati B, Simoni G, Fabro S (Eds.) *Chorionic Villus Sampling Fetal Diagnosis of Genetics Diseases in the First Trimester*. M. Dekker, New York, 1986, pp. 23-30.
- Warburton D, Kline J, Stein Z, Strobino B: Cytogenetic abnormalities in spontaneous abortions of recognized conceptions. In: Porter IH, Willey A. (Eds.) *Perinatal Genetics: Diagnosis and treatment*. Academic Press, New York, 1986, pp. 133-148.
- Weisman LE, Golden SM, Omert L: A new disposable neonatal breathing circuit system with manometer. *Contemp Pediatr*, 1985, pp. 85-88.
- Williams RG, Bierman FZ, Sanders SP: *Echocardiographic Diagnosis of Cardiac Malformations*. Little Brown and Co., Boston, Toronto, 1-228, 1986.
- Yellin PB, Sokal MM, Emerson RG: Functional resilience of the premature brainstem (abstract). *Neurology* 36 (Suppl 1) 322, 1986.
- Yu MT, Yu CY, Yu CX, Maidman J, Warburton D: Improved methods of direct culture chromosome preparations from chorionic villous samples. *Amer Jour Hum Genet*, 38:576-581, 1986.
- Ziring PR: Rubella and congenital rubella. *Current Pediatric Therapy*. Gellis, S. and Kagan, B. (Eds). W.B. Saunders Co., pp 571-573, 1986.

- Anderson KE, Conney AH, Kappas A: Nutrition as an environmental influence on chemical metabolism in man. In: *Ethnic Differences in Reactions to Drugs and Xenobiotics*, AR Liss, Inc., pp. 39-54, 1986.
- Belardetti F, Schacher S, Kandel ER, Siegelbaum SA: Serotonin modulates the action potential in growth cone precursors of sensory neuron terminals in Aplysia. In: *Molecular Aspects of Neurobiology*, RL Montalcini (ed), Springer-Verlag, Berlin, pp. 15-18, 1986.
- Belardetti F, Schacher S, Siegelbaum SA: Action potentials, ionic currents and single channel currents recorded from Aplysia growth cones. *J Physiol* 374:289-313, 1986.
- Berger C, Cantor C, Welsh J, Dervan P, Grant S, Edelson R: Comparison of synthetic psoralen derivatives and 8MOP in the inhibition of lymphocyte proliferation. *Ann NY Acad Sci* 453:80-91, 1985.
- Bhalla K, Baker M, Arlin Z, Grant S: Deoxycytidine stimulates the growth of normal myeloid progenitor cells and reverses the effects of acidic isoferitins and PGE₁. *Blood* 68:1136-1141, 1986.
- Bhalla K, Hindenburg A, Taub RN, Grant S: Isolation and characterization of an anthracycline resistant human promyelocytic leukemic cell line. *Cancer Res* 45:3657-3662, 1985.
- Binah O, Sodowick B, Vulliamoz Y, Danilo P Jr, Rosen M: The inotropic effects of amironone and milrinone on neonatal and young canine cardiac muscle. *Circulation* 73(III):46-51, 1986.
- Block R, DeVoe M, Stanley B, Stanley M, Pomara N: Memory performance in individuals with primary degenerative dementia: Its similarity to diazepam-induced impairments. *Exper Aging Res* 11:151-155, 1985.
- Boyden PA: The effects of pharmacologic agents on induced atrial flutter in dogs with right atrial enlargement. *J Cardiovasc Pharmacol* 8:170-177, 1986.
- Camardo JS, Shuster MJ, Siegelbaum SA: Modulation of a potassium channel in Aplysia sensory neurons: Role of protein phosphorylation. In: *Molecular Aspects of Neurobiology*, RL Montalcini (ed), Springer-Verlag, Berlin, pp 106-112, 1986.
- Chang RL, Levin W, Wood AW, Shirai N, Ryan AJ, Duke CC, Jerina DM, Holder GM, Conney AH: High tumorigenicity of the 3,4-dihydrodiol of 7-methylbenz[c]acridine on mouse skin and in newborn mice. *Cancer Res* 46:4552-4555, 1986.
- Chin NX, Brittain DC, Neu HC: In vitro activity of Ro 23-6240, a new fluorinated 4-quinolone. *Antimicrob Agents Chemother* 29:675-680, 1986.
- Chin NX, Jules K, Neu HC: Synergy of ciprofloxacin and axlocillin in vitro and in a neutropenic mouse model of infection. *Eur J Clin Microbiol* 5:23-28, 1986.
- Chin NX, Neu HC: Comparative in vitro activity and beta-lactamase stability of CGP 31523A, a new aminothiazolyl cephalosporin. *Chemioterapia* 5:92-100, 1986.
- Comparative antibacterial activity of an arylglycol oral cephalosporin, LY 164846. *Antimicrob Agents Chemother* 29:703-706, 1986.
- Clemens TL, Zhou ZY, Pike JW, Haussler MR, Sloviter RS: 1,25-dihydroxy-vitamin D receptor and vitamin D-dependent calcium binding protein in rat brain: Comparative immunocytochemical localization. In: *Vitamin D*. Chemical, Biochemical and Clinical Update. de Gruyter & Co., Berlin, pp. 95-96, 1985.
- Cohen IS, Dwyer NB, Gintant GA, Mulrine NK, Pennefather P: A note on the relation of maximum upstroke velocity to peak inward current recorded by the voltage clamp. *Circ Res* 57:482-484, 1985.
- Cohen IS, Mulrine NK: Effects of thallium on membrane currents at diastolic potentials in canine cardiac Purkinje strands. *J Physiol* 370:285-298, 1985.
- Conney AH, Garland WA, Rubio F, Kornychuk H, Norkus EP, Kuenzig W: Factors influencing the urinary excretion of nitrosodimethylamine and nitrosoproline in human beings. *Banbury Report* 23: Mechanisms in Tobacco Carcinogenesis, Cold Spring Harbor Laboratory, NY pp 21-32, 1986.
- Dagbagh M, Stanley M, Gershon S: New Antipsychotic Agents Clinical Studies. In: *Antipsychotics*, Vol. 3, *Drugs in Psychiatry Series* GD Burrows, T Norman, B Davies (eds), Elsevier, pp 161-175, 1985.
- Damiano BP, le Marec H, Rosen MR: Electrophysiologic effects of AHR 10718 on isolated cardiac tissues. *Eur J Pharm* 108:243-255, 1985.
- Dangman KH, Miura DS: Cibenzoline. In: *New Cardiovascular Drugs* 1986, A Scriabine (ed.), Raven Press, New York, pp 107-128, 1986.
- Deutsch S, Halperin R, Stanley M, Davis KL: Effects of chronic haloperidol and quinacrine co-administration on striatal HVA levels and stereotypic behaviors in response to apomorphine in the rat. *Neurochem Res* 10:415-422, 1985.
- Ebihara L, Mathias RT: Linear impedance studies of voltage dependent conductances in tissue cultured chick heart cells. *Biophys J* 48:449-460, 1985.
- Eison A, Eison M, Stanley M, Riblet L: Serotonergic mechanisms in the behavioral effects of buspirone and gepirone. *Pharmacol Biochem Behav* 24:701-707, 1986.
- Fisher PB, Grant S: Effects of interferon on differentiation in normal and tumor cells. *Pharmacol Therapeut* 27:143-166, 1985.
- Frame LH, Page RL, Hoffman BF: Atrial reentry around an anatomic barrier with a partially refractory excitable gap: A canine model of atrial flutter. *Circ Res* 58:495-511, 1986.
- Frame VB, Wang HH: Importance of interaction with adrenergic neurons for antifibrillatory action of bretylium in the dog. *J Cardiovasc Pharmacol* 8:336-345, 1986.
- Fu KP, Hetzel N, Hung PP, Gregory FJ: Therapeutic efficacy of cefpiramide and cefoperazone alone and in combination with gentamicin against pseudomonal infections in neutropenic mice. *Chemotherapy* 32:166-172, 1986.
- Fu KP, Hetzel N, Hung PP, Gregory FJ: Synergistic activity of apalcillin and gentamicin in a combination therapy in experimental Pseudomonas bacteraemia of neutropenic mice. *J Antimicrob Chemother* 17:499-503, 1986.
- Fu KP, Vince T, Hung PP, Gregory FJ: Experimental efficacy of apalcillin and cefpiramide compared with that of six other antipseudomonal agents in Pseudomonas aeruginosa burn infections. *Drugs Expt Clin Res* 12:303-306, 1986.
- Garland WA, Kuenzig W, Rubio F, Kornychuk H, Norkus EP, Conney AH: Urinary excretion of nitrosodimethylamine and nitrosoproline in humans: Interindividual and intraindividual differences and the effect of administered ascorbic acid and alpha-tocopherol. *Cancer Res* 46:5392-5400.
- Gershon S, McIntyre I, Pomara N, Stanley M, Oxenkrug G: Alterations in cholinergic receptors mediate the effects of dexamethasone on corticosterone. *Biol Psychiatry* 20:458-460, 1985.
- Gintant GA, Dwyer NB, Cohen IS: Gating of delayed rectification in acutely isolated canine cardiac Purkinje myocytes. *Biophys J* 48:1059-1064, 1985.
- Goldberg DJ, Ambron RT: Consequences of partial axotomy for production of neurotransmitter vesicles and routing of rapidly transported membrane glycoproteins in the axonal tree. *J Neurosci* 6:1712-1718, 1986.
- Grace ME, Gregory FJ, Hung PP, Fu KP: Purification and properties of a Beta-lactamase from Proteus penneri. *J Antibiot* 39:938-942, 1986.
- Grant GP, Mansell AL, Graziano JH, Mellins RB: The effect of transfusion on lung capacity, diffusing capacity and arterial oxygen saturation in patients with Thalessemia Major. *Ped Res* 20:20-23, 1986.

- Grant S, Bhalla K, Gleyzer M: Interactions of deoxycytidine and deoxycytidine analogs in normal and leukemic myeloid progenitor cells. *Leukemia Res* 10:1139-1146, 1986.
- Grant S, Bhalla K, Mileno M, Pestka S, Weinstein IB, Fisher PH: Recombinant human interferon sensitizes resistant myeloid leukemic cells to induction of terminal differentiation. *Biochem Biophys Res Comm* 130:379-388, 1985.
- Grant S, Bhalla K, Mileno M, Pestka S, Weinstein IB, Fisher PH: Recombinant human interferon sensitizes resistant human promyelocytic leukemic cell line. *Cancer Res* 45:3657-3662, 1985.
- Graziano JH: Role of 2-3, dimercaptosuccinic acid in the treatment of heavy metal poisoning. *Med Toxicol* 1:155-162, 1986.
- Graziano JH, Popovac D, Murphy MJ, Colakovic B, Stein Z, Mehmeti A, Kline J, Admedi G, Rajovic B, Gasi E, Haxhiu R, Radovic I, Hoxha I, Zvicer Z, Popovac R, Bozovic R, Strout P, Lolacono N: Environmental lead and pregnancy outcome. *Proc 5th Intl Conf on Heavy Metals in the Environment*. TD Lekkas (ed), 1:414-416, 1985.
- Hirschhorn L, Neu HC: Factors influencing the in vitro activity of two new aryl-fluoroquinolone antimicrobial agents, difloxacin (A-56619) and A-56620. *Antimicrob Agents Chemother* 30:143-146, 1986.
- Hoffman BF, Dangman KH: The role of antiarrhythmic drugs in sudden cardiac death. *J Am Coll Cardiol* 8:104A-109A, 1986.
- Hordof A, Mary-Rabine L, Rosen M: Automaticity in human atrial fibers: Relationship to membrane potential and modification by pharmacologic means. *Proc 2nd World Congress of Cardiology*; Springer-Verlag, N.Y. p 14, 1985.
- Huang M-T, Wood AW, Chang RL, Yagi H, Sayer JM, Jerina DM, Conney AH: Inhibitory effect of 3-hydroxybenzo[a]pyrene on the mutagenicity and tumorigenicity of (\pm)-7 β ,8 α -dihydroxy-9 α ,10 α -epoxy-7,8,9,10-tetra-hydrobenzo[a]pyrene. *Cancer Res* 46:558-566, 1986.
- Ishii D, Recio-Pinto E, Spinelli W, Mill J, Sonnenfeld K: Neurite formation modulated by nerve growth factor, insulin and tumor promoter receptors. *Intl J NeuroSci* 26:109-127, 1985.
- Jard S, Gaillard RC, Guillon G, Marie J, Schoenenberg P, Muller AF, Manning M, Sawyer WH: Vasopressin antagonists allow demonstration of a novel type of vasopressin receptor in the rat adenohypophysis. *Mol Pharmacol* 30:171-177, 1986.
- Jerina DM, Sayer JM, Agarwal SK, Yagi H, Levin W, Wood AW, Conney AH, Pruess-Schwartz D, Baird WM, Pigott MA, Dipple A: Reactivity and tumorigenicity of bay-region diol epoxides derived from polycyclic hydrocarbons. In: *Biological Reactive Intermediates III*, JJ Kocsis, DJ Jollow, CM Witmer, JO Nelson, R Snyder (eds), Plenum, New York, pp 11-30, 1986.
- Johnson N, Danilo P, Wit AL, Rosen MR: Characteristics of initiation and termination of catecholamine-induced triggered activity in atrial fibers of the coronary sinus. *Circulation* 74:1168-1179, 1986.
- Kieval R, Johnson N, Rosen M: Triggered activity as a cause of bigeminy. *J Am Coll Cardiol* 8:644-647, 1986.
- Kulkarni P, Srinivasan BD: Diclofenac and enolicam as ocular anti-inflammatory drugs in rabbit corneal wound model. *J Ocular Pharm* 2:711-715, 1986.
- Kulkarni PS, Srinivasan BD: Eicosapentaenoic acid metabolism in human and rabbit anterior uvea. *Prostaglandins* 31:1159-1164, 1986.
- Lerer B, Stanley M: Effects of chronic lithium on cholinergically mediated responses and (3H) QNB binding in rat brain. *Brain Res* 344:211-219, 1986.
- Lerer B, Stanley M, Altman H: ECT, acetylcholine receptors, and memory. *Proc 7th World Cong Psychiatry*, Vienna, v. 2, 577-582, 1985.
- Lerer B, Stanley M, Altman H, Keegan M: An Animal Model of ECT Induced Amnesia: Possible Neurochemical Correlates. In: *Electroconvulsive Therapy*, S Maltz, HA Sackheim (eds), Ann NY Acad Sci, 1986.
- Levin W, Chang RL, Wood AW, Thakker DR, Yagi H, Jerina DM, Conney AH: Tumorigenicity of optical isomers of the diastereomeric bay-region 3,4-diol-1,2-epoxides of benzo(c)phenanthrene in murine tumor models *Cancer Res* 46:2257-2261, 1986.
- Loche S, Rifkind AB, Stoner E, Conney AH, New MI: Antipyrine clearance in congenital adrenal hyperplasia. *Clin Endocrinol* 25:233-239, 1986.
- Manning M, Lammek K, Bankowski K, Seto J, Sawyer WH: Synthesis and some pharmacological properties of 18 potent O-alkyl-tyrosine-substituted antagonists of the vasopressor response to arginine-vasopressin. *J Med Chem* 28:1485-1491, 1985.
- Manning M, Misicka A, Stoev S, Nawrocka E, Klis WA, Olma A, Bankowski K, Lammek B, Sawyer WH: Studies leading to orally active antagonists of the antidiuretic response to arginine vasopressin (AVP). In: *Peptides: Structure and Function*, Proceedings of the 9th American Peptide Symp, V Hruby, CM Deber, KD Kopple (eds), Pierce Chemical, Rockford, IL, pp 599-602, 1985.
- Marboe CC, Knowles DM II, Weiss MB, Fenoglio JJ Jr: Monoclonal antibody identification of mononuclear cells in endomyocardial biopsies from a patient with rheumatic carditis. *Human Pathology* 16:332-338, 1985.
- Mathias RT, Rae JL, Ebihara L, McCarthy RT: The localization of transport properties in the frog lens. *Biophys J* 48:423-434, 1985.
- Meyendorff E, Jain A, Traskman-Bendz L, Stanley B, Stanley M: The effects of fenfluramine on suicidal behavior. *Psychopharm Bull* 22:155-159, 1986.
- Miranda J, Schimmel M, James L, Spinelli W, Rosen T: Gentamicin kinetics in the neonate. *Pediat Pharmacol* 5:57-61, 1985.
- Miura DS, Dangman KH: New therapy focus: Cibenzoline. *Cardiovasc Rev Rep* 7:55-66, 1986.
- Clinical pharmacology and kinetics in the use of antiarrhythmic agents. *Cardiovasc Rev Rep* 7:395-402, 1986.
- Miura DS, Dangman KH, Berchin B: New antiarrhythmic agents: The pharmacology and clinical use of cibenzoline. *Prac Cardiol* 11:103-117, 1985.
- Miura DS, Dangman KH, Keefe D: The association of cardiomyopathies and ventricular tachycardia with sudden death. *Cardiovasc Rev Rep* 6:1127-1134, 1985.
- Morad M, Dillon S, Weiss J: An Acousto-Optically Steered Laser Scanning System for Measurement of Action Potential Spread in Intact Heart. In: *Optical Methods in Cell Physiology*, P DeWeer, B Salzberg (eds.), Wiley Interscience, New York, pp 211-226, 1986.
- Morikawa Y, Hordof A, Rosen T, Rosen M: Developmental changes in effects of lidocaine and quinidine. *Proc 2nd World Congress of Cardiology*; Springer-Verlag, N.Y., p 14, 1985.
- Morikawa Y, Meiri H, Spinelli W, Rosen MR, Robinson RB: Modification of V_{max} of canine cardiac Purkinje fibers and of the effects of lidocaine by SC-72-14. *Circ Res* 57:354-361, 1985.
- Morikawa Y, Rosen MR: Effects of quinidine on the transmembrane potentials of young and adult canine cardiac Purkinje fibers. *J Pharm Exp Ther* 236:832-837, 1986.
- Morris SA, Bilezikian JP: Modifications of the adenylate cyclase complex during differentiation of cultured myoblasts. *J Cell Physiol* 127:28-38, 1986.
- Morris SA, Bilezikian JP: The regulation of adenylate cyclase activity in turkey erythrocyte membranes by forskolin. *Arch Biochem Biophys* 243:678-689, 1985.

- Neu HC: Basic Principles of Chemotherapy. In: Pharmacology in Medicine. Principles and Practice. SN Pradhan, RP Maickel and SN Dutta (eds), SP Press Intl Inc., Bethesda, pp 754-764, 1986.
- Chemotherapy of Bacterial Infections. In: Pharmacology in Medicine. Principles and Practice. SN Pradhan, RP Maickel and SN Dutta (eds), SP Press Intl Inc., Bethesda, pp 771-778, 1986.
- Sulfonamides and urinary antibacterial agents. In: Pharmacology in Medicine. Principles and Practice. SN Pradhan, RP Maickel and SN Dutta (eds), SP Press Intl Inc., Bethesda, pp 779-786, 1986.
- Beta-lactam antibiotics. In: Pharmacology in Medicine. Principles and Practice. SN Pradhan, RP Maickel and SN Dutta (eds), SP Press Intl Inc., Bethesda, pp 787-802, 1986.
- Aminoglycosides. In: Pharmacology in Medicine. Principles and Practice. SN Pradhan, RP Maickel and SN Dutta (eds), SP Press Intl Inc., Bethesda, pp 803-810, 1986.
- Antimicrobial agents affecting ribosomal functions. In: Pharmacology in Medicine. Principles and Practice. SN Pradhan, RP Maickel and SN Dutta (eds), SP Press Intl Inc., Bethesda, pp 811-820, 1986.
- Miscellaneous antimicrobial agents. In: Pharmacology in Medicine. Principles and Practice. SN Pradhan, RP Maickel and SN Dutta (eds), SP Press Intl Inc., Bethesda, pp 825-836, 1986.
- Neu HC, Chin NX, Jules K, Labthavikul P: The activity of BMY 28142, a new broad spectrum beta-lactamase stable cephalosporin. *J Antimicrob Chemother* 17:441-452, 1986.
- Neu HC, Chin NX, Labthavikul P: The in vitro and beta-lactamase stability of carumonon. *J Antimicrob Chemother* 18:35-44, 1986.
- Neu HC, Neu NM: In vitro activity of A-16686, a new glycopeptide. *Chemotherapy* 32:453-457, 1986.
- Neu HC, Reeves DS: Introduction—Ciprofloxacin: Pharmacokinetics and clinical experience. *Eur J Clin Microbiol* 5: 177-178, 1986.
- Norkus EP, Kuenzig WA, Chau J, Mergens WJ, Conney AH: Inhibitory effect of alpha-tocopherol on the formation of nitrosoorpholine in mice treated with morpholine and exposed to nitrogen dioxide. *Carcinogenesis* 7:357-360, 1986.
- Novak EA, Stanley M, McIntyre I, Hryhorczuk LM: A HPLC method for quantitation of cyproheptadine in serum or plasma. *J Chromatog* 339:457-461, 1985.
- Olney JW, Collins RC, Sloviter RS: Excitotoxic Mechanisms of Epileptic Brain Damage. In: Basic Mechanisms of the Epilepsies. Molecular and Cellular Approaches. AV Delgado-Escueta, AA Ward, DM Woodbury (eds), Advances in Neurology, vol 44, Raven Press, New York, pp 857-877, 1986.
- Pomera N, Roberts R, Rhiew HB, Stanley M, Gershon S: Multiple, single-dose naltrexone administration fail to effect overall cognitive functioning and plasma cortisol in individuals with probable Alzheimer's disease. *Neurobiol of Aging* 6:233-236, 1985.
- Pomera N, Stanley M: The Functional Status of Central Muscarinic Receptors in Alzheimer's Disease: Assessment and Therapeutic Implications. In: Treatment Development Strategies for Alzheimer's Disease. Mark Powley Assocs, Inc., pp 451-472, 1986.
- Pomara N, Stanley B, Block R, Stanley M, Greenblatt D, Newton T, Gershon S: Age related effects of diazepam on memory and psychomotor performance. *J Clin Psychiatry* 46:185-187, 1985.
- Roden DM, Thompson KA, Hoffman BF, Woosley RL: Clinical features and basic mechanisms of quinidine-induced arrhythmias. *J Am Coll Cardiol* 8:73A-78A, 1986.
- Rosen MR: Is the response to programmed electrical stimulation diagnostic of mechanisms for arrhythmias? *Circulation* 73 (Suppl II): 18-27, 1986.
- Rosen MR, Danilo P Jr: Cellular Electrophysiologic Mechanisms of Antiarrhythmic Drug Action. In: Mechanisms and Treatment of Cardiac Arrhythmias: Relevance of Basic Studies to Clinical Management, HJ Reiser, LB Horowitz (eds), Urban & Schwarzenberg, Baltimore, pp 71-88, 1985.
- Rosen MR, legato MJ: Repolarization: Physiological and structural determinants, and pathophysiological changes. *Europ Heart J* 6: (Suppl D), 3-14, 1985.
- Shane E, Avioli RC, Greene VS, Yeh M, Owens JM, Bell NH, Bilezikian JP: Enhancement of parathyroid hormone-responsive renal cortical adenylate cyclase activity by a cytosol protein activator from rat reticulocytes. *J Bone Mineral Res* 1:41-50, 1986.
- Silverberg SJ, Shane E, Clemens TL, Dempster DW, Sergre GV, Lindsay R, Bilezikian JP: The effect of phosphate on major indices of skeletal metabolism in normal subjects. *J Bone Mineral Res* 4:383-388, 1986.
- Sloviter RS, Dempster DW: "Epileptic" brain damage is replicated qualitatively in the rat hippocampus by central injection of glutamate or aspartate but not by GABA or acetylcholine. *Brain Res Bull* 15:39-60, 1986.
- Sloviter RS, von Knebel, Doeberitz C, Walsh TJ, Dempster DW: On the role of seizure activity in the hippocampal damage produced by trimethyltin. *Brain Res* 367:169-182, 1986.
- Smart RC, Huang M-T, Chang RL, Sayer JM, Jerina DM, Conney AH: Disposition of the naturally occurring antimutagenic plant phenol, ellagic acid, and its synthetic derivatives, 3-O-decylellagic acid and 3, -3'-di-O-methylellagic acid in mice. *Carcinogenesis* 7:1663-1667, 1986.
- Smart RC, Huang M-T, Chang RL, Sayer JM, Jerina DM, Wood AW, Conney AH: Effect of ellagic acid and 3-O-decylellagic acid on the formation of benzo[a]pyrene-derived DNA adducts in vivo and on the tumorigenicity of 3-methylcholanthrene in mice. *Carcinogenesis* 7:1669-1675, 1986.
- Smart RC, Huang M-T, Conney AH: sn-1,2-dialcylglycerols mimic the effects of 12-O-tetradecanoylphorbol-13-acetate in vivo by inducing biochemical changes associated with tumor promotion in mouse epidermis. *Carcinogenesis* 7:1865-1870, 1986.
- Spinelli W, Rosen M: Frequency dependent actions of phenytoin in adult and young canine Purkinje fibers. *J Pharm Exp Therap* 238:794-801, 1986.
- Srinivasan BD, Kulkarni PS, Bhat S: Differential protein synthesis in steroid-treated ocular surface epithelium. *Invest Ophthalmol Vis Sci* 27:1005-1009, 1986.
- Stanley M, Lerer B: Electroconvulsive shock and brain cholinergic function: Role of striatal muscarinic receptors. *Convulsive Ther* 1:158-166, 1985.
- Stanley B, Stanley B, Traskman-Bendz L, Mann JJ, Meyendorff E: Neurochemical findings in suicidal victims and suicide attempters. In: Biological Aspects of Suicide. R Maris (ed), The Guilford Press, v. 16, 1986.
- Stanley B, Stanley M, Stein J, Guido L, Transit R: Psychopharmacologic treatment and informed consent: Empirical research. *Psychopharm Bull* 21:110-113, 1985.
- Stanley B, Traskman-Bendz L, Dorovini-Zis K: Correlations between aminergic metabolites simultaneously obtained from samples of CSF and brain. *Life Sci* 37:1279-1286, 1985.
- Stanley B, Traskman-Bendz L, Stanley M: The suicide assessment scale: A scale evaluating change in suicidal behavior. *Psychopharm Bull* 22:200-205, 1986.
- Steinberg SF, Chow YK, Bilezikian JP: Regulation of rat heart membrane adenylate cyclase by magnesium and manganese. *J Pharm Exp Therap* 237:764-772, 1986.
- Sun FF, McGuire JC, Kane K, Feinmark SJ: Enzymatic Reactions of Leukotriene Biosynthesis in Human Polymorphonuclear Leukocytes. In: Advances in Prostaglandin, Thromboxane and Leukotriene Research, O Hayaishi, S Yamamoto (eds), V. 15, Raven Press, NY pp 181-183, 1985.

- Thakker DR, Levin W, Yagi H, Yeh HJC, Ryan DE, Thomas PE, Conney AH, Jerina DM: Stereoslective metabolism of the (+)-(S,S)- and (-)-(R,R)-enantiomers of trans-3,4-dihydroxy-3,4-dihydrobenzo[c]-phenanthrene by rat and mouse liver microsomes and by a purified and reconstituted cytochrome P-450 system. *J Biol Chem* 261:5404-5413, 1986.
- Wit AL: Electrophysiologic basis for antiarrhythmic drug action. *Clin Physiol Biochem* 3:127-134, 1985.
- Cardiac Arrhythmias: Electrophysiologic Mechanisms. In: Mechanisms and Treatment of Cardiac Arrhythmias: Relevance of Basic Studies to Clinical Management. HJ Reiser, LN Horowitz (eds.), Urban & Schwarzenberg, Baltimore, pp 11-38, 1985.
- Wit AL, Josephson ME: Fractionated Electrograms and Continuous Electrical Activity: Fact or Artifact? In: Cardiac Electrophysiology and Arrhythmias, DP Zipes, J Jalife (eds.), Grune & Stratton, New York, pp 343-351, 1985.
- Wit AL, Rosen MR: Afterdepolarizations and Triggered Activity. In: The Heart and Cardiovascular System: Scientific Foundations, H Fozzard (ed.), Raven Press, New York, pp 1449-1491, 1986.
- Wood AW, Chang RL, Levin W, Kumar S, Shirai N, Jerina DM, Lehr RE, Conney AH: Bacterial and mammalian cell mutagenicity of four optically active bay-region 3,4-diol-1,2-epoxides and other derivatives of the ntirogen heterocycle, diben[c-h]acridine. *Cancer Res* 46:2760-2766, 1986.
- Wood AW, Smith DS, Chang RL, Huang M-T, Conney AH: Effects of flavonoids on the metabolism of xenobiotics. In: Plant Flavonoids in Biology and Medicine: Biochemical, Pharmacological and Structure-Activity Relationships, AR Liss, Inc., pp 195-210, 1986.

- Abbott RE, Schachter D, Batt Ellen R and Flamm M: Sulfhydryl substituents of the human erythrocyte hexose transport mechanism. *Am J Physiol* 248:C853-860, 1986.
- Alevizos A, Koester J: Identified gill motoneuron L7 of *Aplysia* is a multimodal motoneuron that also innervates the cardiovascular system. *Soc Neurosci Abstr* 12:136.15
- Al-Awqati Q: Cellular renal response to respiratory acid-base disorders. (Nephrology Forum) *Kidney Intl* 28:845-855, 1985.
- Al-Awqati Q, Chase H Jr and Kleyman T: Cellular mechanisms of renal transport and metabolism. Chapter 2 in *The Kidney*, Brenner BM and Rector FC (Eds.) 3rd Edition, pp 61-92, 1986.
- Bailey CH and Kandel ER: Molecular approach to the study of short-term and long-term memory. In *Functions of the Brain*, Coen CW (Ed.) Clarendon Press, Oxford, pp 98-129, 1985.
- Belardette F, Abrams TW, Castelucci VF, Kandel ER and Siegelbaum SA: FMRFamide depresses transmitter release and increases the opening probability of the $S K^+$ channel in *Aplysia* sensory neurons. *Soc Neurosci Abstr* 12:766, 1986.
- Belardetti F, Schacher S, Kandel ER and Siegelbaum S: The growth cones of *Aplysia* sensory neurons: Modulation by serotonin of action potential duration and single potassium channel currents. *Proc Natl Acad Sci USA* 83:7094-7098, 1986.
- Serotonin modulates the action potential in growth cone precursors of sensory neuron terminals in *Aplysia*. In *Molecular Aspects of Neurobiology*, Levi Montalcini R, Calissano P, Kandel ER and Maggi A (eds.) Springer-Verlag, Berlin, pp 15-18, 1986.
- Bhattacharya J: The lung microvascular pressure profile—new kid on the block. *Amer Rev Resp Dis* 134:854-855, 1986.
- Blank M: The surface compartment model (SCM) with fast and slow gating channels. *Studia Biophysica* 110:65-70, 1985.
- Electrical Double Layers in Ion Transport and Excitation. In *Electrical Double Layers in Biology* edited by Blank, M. Plenum Press, New York, pp 119-128, 1986.
- Modeling Electrical Double Layer Processes at Membrane Surfaces. in *Proceedings of Eighth Annual Conference IEEE Engineering in Medicine and Biology Society*. Vol 3, pp. 1376-1378, 1986.
- Blank, M: Editor, *Electrical Double Layers in Biology*. Plenum Press, New York, London, pp. 1-319, 1986.
- Blank M and Blank JN: Concentration changes at ion channels due to oscillating electric fields. *J of the Electrochem Soc* 133:237-238, 1986.
- Blank M, Wachtel H and Barrett T: Bioelectrochem, Bionerg and Bioelectromagnetics: A Conference Report on the 8th International Symposium on Bioelectrochem and Bioenerg. *Bioelectrochem and Bioenerg* 15:187-191, 1986.
- Castelucci VF, Schacher S, Montarolo PG, Mackey S, Glanzman DL, Hawkins RD, Abrams TW, Goelet P and Kandel ER: Convergence of small molecule and peptide transmitters on a common molecular cascade. In *Coexistence of Neuronal Messengers: A New Principle in Chemical Transmission*, Progress in Brain Research, Vol 68, Hokfelt T, Fuxe K, Pernow P (Eds.) Elsevier, Amsterdam, pp 83-102, 1986.
- Chiel HJ, Weiss KR and Kupfermann I: An identified histaminergic neuron modulates feeding motor circuitry in *Aplysia*. *J Neurosci* 6:2427-2450, 1986.
- Clark GA, Hawkins RD and Kandel ER: Cell Biological Perspectives on Learning. In *Diseases of the Nervous System*, Vol I: Clinical Neurobiology, Asbury AK, MCKhann GM, McDonald WI (Eds.) Saunders, Philadelphia, pp 79-97, 1986.
- Cowen LA, Bell DE, Hoadley JE and Cousins RJ: Influence of dietary zinc deficiency and parenteral zinc on rat liver fructose 1, 6-bisphosphatase activity. *Biochem Biophys Res Comm* 134(2):944-950, 1986.
- Dale N, Kandel ER and Schacher S: 5-HT induces long-lasting excitability changes in cultured *Aplysia* neurons. *Soc Neurosci Abstr* 12:1339, 1986.
- Dodd J and Jessell TM: Lactoseries carbohydrates specify subsets of dorsal root ganglion neurons projecting to the superficial dorsal horn of the rat spinal cord. *J Neurosci* 12:3278-3294, 1985.
- Cell surface glycoconjugates and carbohydrate-binding proteins: possible recognition signals in sensory neurone development. *J exp Biol* 124:225-238, 1986.
- Dodd J: The identification and function of carbohydrate differentiation antigens on primary sensory neurons. In *Neuroendocrine Molecular Biol*. Fink, G, Harmar, AJ and McKerns, KW (Eds.) Plenum Press, New York and London, pp 41-45, 1986.
- Eliot LS, Dudai Y, Kandel ER and Abrams TW: Activation of adenylate cyclase in *Aplysia* by Ca^{2+} /calmodulin: A possible molecular site of stimulus convergence in associative conditioning. *Soc Neurosci Abstr* 12:400, 1986.
- Emmers R: Stimulation of dorsal columns subdues sensitized pain in morphine-dependent rats. *Fed Proc* 44:1636, 1985.
- Effects of lethal doses of morphine on thalamic nociceptive neurons in morphine-dependent rats. *Fed Proc* 45:667, 1986.
- Eppler CM, Bayley H, Greenberg SM and Schwartz JH: Structural studies on a family of cAMP-binding proteins in the nervous system of *Aplysia*. *J Cell Biol* 102:320-331, 1986.
- Faville M, Hening W and Ghez C: Human tracking performance: parallel specification of amplitude and direction. *Soc Neurosci Abstr* 11:72, 1985.
- Fischbarg J, Hernandez J, Liebovitch LS and Koniarek JP: The mechanism of fluid and electrolyte transport across corneal endothelium: critical revision and update of a model. *Berlin Symposium*, Sept 24-26 1984. *Curr Eye Res*, 4:351-360, 1985.
- Fischbarg J, Liebovitch LS and Koniarek JP: A central role for cell osmolarity in isotonic fluid transport across epithelia. *Cell Biology*, 55:239-244, 1985.
- Frost WN, Castelucci VF, Hawkins RD and Kandel ER: Monosynaptic connections made by the sensory neurons of the gill- and siphon-withdrawal reflex in *Aplysia* participate in the storage of long-term memory for sensitization. *Proc Natl Acad Sci USA*. 82:8266-8269, 1985.
- Frost WN, Clark GE and Kandel ER: Changes in cellular excitability in a new class of siphon motor neurons during sensitization in *Aplysia*. *Soc Neurosci Abstr* 11:643, 1985.
- Furth ME, Swanson ME, Aldrech TA, Elste AM, Greenberg SM and Schwartz JH: Abundant expression of a ras protein in *Aplysia* Neurons. Symposium on G-Proteins and Signal Transduction, Cold Spring Harbor, NY, 1986.
- Glanzman DL, Mackey S and Kandel ER: Depletion of serotonin *Aplysia* interferes with facilitation produced by sensitizing stimuli. *Soc Neurosci Abstr* 12:1339, 1986.
- Goelet P, Castellucci VF, Schacher S and Kandel ER: The long and short of long-term memory—a molecular framework. *Nature* 322:419-422, 1986.
- Goelet P and Kandel ER: Tracking the flow of learned information from membrane receptors to genome. *Trends Neurosci* 9:472-499, 1986.
- Gordon J and Ghez C: Mechanisms contributing to accuracy in aimed force impulses: rise time regulation and corrective adjustments. *Soc. Neurosci Abstr* 11:75, 1985.
- Gordon J, Hening W and Ghez C: Abnormalities of trajectory control in dystonia Neurology 36:Suppl 1 pp 183, 1986.
- Gotoh H, Schwartz JH, Elste AM and Shapiro E: Uptake, synthesis, storage and transport of histamine in an identified *Aplysia* neuron, C2. International Union of Physiological Sciences, Axonal Transport Conference Satellite, Calgary, 1986.

- Greenberg SM, Bayley H, Castellucci VF and Schwartz JH: Selective loss of the regulatory subunit of the cAMP-dependent protein kinase in Aplysia after sensitizing treatments. Soc Neurosci Abstr 12:1339, 1986.
- Handley DA, Jeevanadam V and Chien S: Intracellular colloids as charge conductors for uncoated SEM samples. Bailey, GW (Ed) Proceedings of the 44th Annual Meeting of the Electron Microscopy Society of America, pp. 660-661, 1986.
- Handley D and Chien S: Ultrastructural studies of endothelial and platelet receptor binding of thrombin-colloidal gold probes. Europ J Cell Biology 39:391-398, 1985.
- Hawkins RD, Carew TF and Kandel ER: Effects of interstimulus interval and contingency on classical conditioning of the Aplysia siphon withdrawal reflex. J. Neurosci 6:1695-1701, 1986.
- Hawkins RD, Clark GA and Kandel ER: Operant conditioning and differential classical conditioning of gill withdrawal in Aplysia. Soc Neurosci Abstr 11:796, 1985.
- Hochner B, Braha O, Klein M and Kandel ER: Distinct processes in presynaptic facilitation contribute to sensitization and dishabituation in Aplysia: Possible involvement of C kinase in dishabituation. Soc Neurosci Abstr 12:1340, 1986.
- Hochner B, Klein M, Schacher S and Kandel ER: Action-potential duration and the modulation of transmitter release from the sensory neurons of Aplysia in presynaptic facilitation and behavioral sensitization Proc Natl Acad Sci USA 83:8410-8414, 1986.
- Additional component in the cellular mechanism of presynaptic facilitation contributes to behavioral dishabituation in Aplysia. Proc Natl Acad Sci USA 83:8794-8798, 1986.
- Kandel ER, Klein M, Castellucci VF, Schacher S and Goebel P: Some principles emerging from the study of short- and long-term memory. Neurosci Res 3:498-520, 1986.
- Jan MK and Simchon S: Electrochemical and macromolecular interactions at red blood cell surface. (Electrical Double Layers in Biology) Ed. Martin Blank. Plenum Press, New York, pp 267-276, 1986.
- Jan Kung-ming: Roles of surface electrochemistry and macromolecular adsorption in heparin-induced red blood cell aggregation. Biorheology 23:91-98, 1986.
- Jessell TM and Dodd J: Structure and expression of differentiation antigens on functional subclasses of primary sensory neurones. Phil Trans R Soc Lond B 308:271-281, 1985.
- Neurotransmitters and Differentiation Antigens in Subsets of Sensory Neurons Projecting to Spinal Dorsal Horn. In Neuropeptides in Neurologic and Psychiatric Disease. Martin JB and Barchas, J (Eds.) Raven Press, New York, pp 111-133, 1986.
- Kaperonis A, Handley D, and Chien S: Fibers, crystals and other forms of HbS Polymers in deoxygenated sickle erythrocytes. Am J Hematology 21:269-276, 1986.
- Klein M, Hochner B and Kandel ER: Facilitatory transmitters and cAMP can modulate accommodation as well as transmitter release in Aplysia sensory neurons: Evidence for parallel processing in a single cell. Proc Natl Acad Sci USA 83:7994-7998, 1986.
- Kleyman TR, Rajagopalan R, Cragoe EJ Jr, Erlanger BF and Al-Awqati Q: A new amiloride analog as a hapten to raise anti-amiloride antibodies. Am J Physiol: Cell Physiol, 250:C165-C170, 1986.
- Kleyman TR, Yulo T, Ashbaugh C, Landry D, Cragoe E Jr, Karlin A, and Al-Awqati: Photoaffinity labelling of the epithelial sodium channel. J Biol Chem 261(6):2839-2843, 1986.
- Kowarski S, Cowen LA, and Schacter D: Decrease content of integral membrane calcium-binding protein (IMCAL) in tissues of the spontaneously hypertensive rat. Proc Natl Acad Sci USA, 83:1097-1100, 1986.
- Kretz R, Shapiro E and Kandel ER: Presynaptic inhibition produced by an identified presynaptic inhibitory neuron. I. Physiolog Mechanisms. J Neurophysiol 55:113-130, 1986.
- Kretz R, Shapiro E, Bailey CH, Chen M and Kandel ER: Presynaptic inhibition produced by an identified presynaptic inhibitory neuron. II. Presynaptic conductance changes caused by histamine. J Neurophysiol 55:131-146, 1986.
- Levi MR, Calissano P, Kandel ER and Maggi A (Eds.): Molecular Aspects of Neurobiology. Springer-Verlag, Berlin, 1986.
- Liebovitch LS and Fischbarg J: Determining the kinetics of membrane pores from patch clamp data without measuring the open and closed times. Biochem Biophys Acta 318:132-136, 1986.
- Liebovitch LS, Fischbarg J and Koniarek JP: Optical correlation functions applied to the random telegraph signal: How to analyze patch clamp data without measuring the open and closed times. Math Biosci 78:203-215, 1986.
- Liebovitch LS and Fischbarg J: Membrane pores: a computer simulation of interacting pores analyzed by $g_1()$ and $g_2()$ correlation functions. J Theoret Biol 119:287-297, 1986.
- Lipowsky HH and Firrell JC: Microvascular hemodynamics during systemic hemoconcentration and dilution. Am J Physiol 250:H908-H922, 1986.
- Lipowsky HH: Network hemodynamics and the shear rate dependency of blood viscosity. In: Microvascular Networks: Experimental and Theoretical Studies. Johnson PC and Popel AS (Eds.) S Karger AG, Basel, 1986.
- Loike JD, Somes M and Silverstein SC: Creatine uptake metabolism and efflux in human monocytes and macrophages. Am J Physiol 251 (Cell Physiol 20): C128-C135, 1986.
- Mackey SL, Hawkins RD and Kandel ER: Neurons in 5-HT containing region of cerebral ganglia produce facilitation of LE cells in Aplysia. Soc Neurosci Abstr 12:1340, 1986.
- Martin JH and Ghez C. Task-related coding of stimulus and response in cat motor cortex. Exp Brain Res 57:427-442, 1985.
- Red nucleus and motor cortex: Parallel motor systems for the initiation of skilled motor responses. ENA Satellite Symp. (Abst.) Hodology and function of the red nucleus.
- Martin JH, Brennan J and Ghez C: Differential effects of reversible inactivation of the corticospinal and rubrospinal systems on tracking performance in cats. Neurosci Abstr 12 (part 1): 257, 1986.
- McNeil PL, Swanson JA, Silverstein SC and Taylor DL: Fc-receptor-mediated phagocytosis occurs in macrophages without an increase in average $[Ca^{2+}]_i$. J Cell Biol 102:1585-1592, 1986.
- Montraolo P, Schacher S, Castellucci VF, Hawkins RD, Abrams TW, Goebel P and Kandel ER: Interrelationships of cellular mechanisms for different forms of learning and memory. In Molecular Aspects of Neurobiology, Levi Montalcini R, Calissano P, Kandel ER and Maggi A (Eds.) Springer-Verlag, Berlin, pp 1-14, 1986.
- O'Grady SM, Musch MW and Field M: Stoichiometry and ion affinities of Na-K-Cl cotransport in flounder intestine (Pseudopleuronectes americanus). J Memb Biol 91:33-41, 1986.
- Piomelli D, Feinmark S, Shapiro E and Schwartz JH: Stimulation of C2, an identified histaminergic Aplysia neuron, results in increased release of lipoxygenase metabolites of arachidonic acid: possible mediators of synaptic modulation. Soc Neurosci Abstr 12:1340, 1986.
- Rayport SG and Kandel ER: Development of plastic mechanisms related to learning at identified chemical synaptic connections in Aplysia. Neuroscience 17:283-294, 1986.
- Regan L, Dodd J, Barondes S and Jessell TM: Selective expression of endogenous lactose-binding lectins and lactoseries glycoconjugates in subsets of rat sensory neurons. Proc Natl Acad Sci 83:2248-2252, 1986.
- Reinhart W and Chien S: Red cell rheology in stomatocyte-echinocyte transformation: Roles of cell geometry and cell shape. Blood 67:1110-1118, 1986.

- Roberts AM, Bhattacharya JB, Schultz HD, Coleridge HM and Coleridge J: Effect of lung congestion and edema on pulmonary vagal afferent activity in dogs. *Cir Res* 58:512-522, 1986.
- Sacktor TC, O'Brian CA, Weinstein IB and Schwartz JH: Translocation from cytosol to membrane of protein kinase C after stimulation of Aplysia neurons with serotonin. *Soc Neurosci Abstr* 12:1340, 1986.
- Schacher S, Montraolo PG, Morgan J, Castellucci VF, Kandel ER and Goelet P: A critical period of macromolecular synthesis is necessary for the expression of long-term facilitation of sensorimotor connections in Aplysia. *Soc Neurosci Abstr* 12:1338, 1986.
- Schmid-Schonbein GW and Chien S: The microcirculation in hypertension. *Handbook of Hypertension*, vol 7: Pathophysiology of Hypertension—Cardiovascular Aspects, pp. 467-489, 1986.
- Schwartz GJ and Al-Awqati: Regulation of transepithelial H⁺ transport by exocytosis and endocytosis. *Ann Rev Physiol* 48:153-161, 1985.
- Schwartz JH, Elste AM, Shapiro E and Gotoh H: Biochemical and morphological correlates of transmitter type in C2: An identified histaminergic neuron in Aplysia. *J Comp Neurol* 245:401-421, 1986.
- Schwartz JH: Review of Bradford H.F., *Chemical Neurobiology: An Introduction to Neurochemistry*, NY, WH Freeman and Co. Cell 45:327-328, 1986.
- Sefton MS and Silverstein SC: Viral replication. In: *International Textbook of Medicine*. Braude AI (2nd Edition). Saunders WB Co, Philadelphia. 80-93, 1986.
- Shorofsky SF, Field M, and Fozzard HA: Changes in intracellular sodium activity with chloride secretion in canine tracheal epithelium *AM J Physiol (Cell)* 250:C646-C650, 1986.
- Shuster MJ and Siegelbaum SA: Pharmacological characterization of the S potassium channel of Aplysia sensory neurons. *Soc Neurosci Abstr* 12:766, 1986.
- Simchon S, Chen RYZ, Carlin RD, Fan FC, Jan KM, and Chien S: Effects of blood viscosity on plasma renin activity and renal hemodynamics *AM J Physiol* 250:F40-F46, 1986.
- Simmons LK, Koester J: Serotonin enhances the excitatory acetylcholine response in the RB cell cluster of Aplysia California. *J Neurosci* 6:774-781, 1986.
- Solomon RA, Antunes JL, Chen RYZ, Bland L and Chien S: Decrease in cerebral blood flow in rats after experimental subarachnoid hemorrhage: A new animal model. *Stroke* 16:57-64, 1985.
- Sung LA, Kabat EA and Chien S: Interaction of Lectins with Membrane Receptors on Erythrocyte Surfaces: *J Cell Biol* 101:646-651, 1985.
- Swanson JA, Yirinec B, Burke E, Bushnell A and Silverstein, SC: Effect of alterations in the size of the vacuolar compartment on pinocytosis in J774.2 macrophages. *J Cell Physiol* 128:195-201, 1986.
- van Adelsberg J and Al-Awqati A: Regulation of cell pH by Ca-mediated exocytotic insertion of H⁺ ATPases. *J Cell Biol* 102:1638-1645, 1986.
- Walters ET, Bryne JH, Carew TJ and Kandel ER: A comparison of simple defensive reflexes in Aplysia: Implications for general mechanisms of integration and plasticity. In *Comparative Neurobiology: Modes of Communication in the Nervous System*, Cohen MJ, Strumwasser F (Eds.). Wiley-Interscience, NY, pp 181-205, 1985.
- Weiss KR, Chiel HJ and Kupfermann I: Sensory function and gating histaminergic neuron C2 in Aplysia. *J Neurosci* 6:2416-2426, 1986.
- Weiss KR, Shapiro E and Kupfermann I: Modulatory synaptic actions of an identified histaminergic neuron on the serotonergic metacerebral cell of Aplysia *J. Neurosci* 6:2393-2402, 1986.
- Weiss KR and Kupfermann I: Activity of an identified histaminergic neuron, and its possible role in arousal of feeding behavior in semi-intact Aplysia *J Neurosci* 6:2403-2415, 1986.
- Worman HJ, Brasitus TA, Dudeja PK, Fozzard HA, and Field M: Relationship between lipid fluidity and water permeability of bovine tracheal epithelial cell apical membranes. *Biochemistry* 25:1549-1555, 1986.
- Yovell Y, Dudai Y and Abrams TW: Quantitative analysis of Ca²⁺ / calmodulin activated adenylate cyclase from Aplysia, Drosophila and rat brain: Possible relevance for associative learning. *Soc Neurosci Abstr* 12:400, 1986.

- Abel GG, Rouleau J, Cunningham-Rathner J: Sexually aggressive behavior. In *Forensic Psychiatry and Psychology*, Curran W, McGarry AL, Shah S (Eds.). F.A. Davis, PA, 1986.
- Abikoff H, Gittelman R: Hyperactive children treated with stimulants: is cognitive training a useful adjunct? *Archives of General Psychiatry* 42:953-961, 1985.
- Classroom observation code: a modification of the stony brook code. *Psychopharmacology Bulletin* 21:901-909, 1985.
- Abikoff H, Martin D, Gittelman R: Social interaction observation code. *Psychopharmacology Bulletin* 21:869-873, 1985.
- Adlersberg M, Liu KP, Tamir H: Human serotonectin: a glycoprotein that binds serotonin chemical and physiological characterization. *Biochemistry and Biophysics* 880:139-146, 1986.
- Adlersberg M, Liu KP, Hsiung SC, Ehrlich YH, Tamir H: Partial characterization of a Ca + 2 dependent protein kinase associated with serotonin binding protein. *Neuroscience Abstract* 12:426, 1986.
- Alevizos A, Koester J: Identified gill motoneuron L7 of aplysia is a multimodal motoneuron that also innervates the cardiovascular system. *Society for Neuroscience Abstract* 12:499, 1986.
- Alexander GJ, Kopeloff LM, Alexander RB, Chatterje N: Mexiletine: biphasic action on convulsive seizures in rodents. *Neurobehavioral Toxicology and Teratology* 8:231-234, 1986.
- Alexander GJ, Sechzer J, Lieberman KW: Altered maternal behavior in rats treated with lithium. *Physiologist* 29:157, 1986.
- Anderson SW, Dillon D: Voice fundamental frequency changes associated with clinically identified stress state. *J Acoust Soc Amer* 77: suppl. no. 1, S38-9, 1985.
- Andreasen NC, Rice J, Endicott J, Teich T, Coryell W: The family history approach to diagnosis: how useful is it? *Archives of General Psychiatry* 43:421-429, 1986.
- Andreasen NC, Scheftner W, Reich T, Hirschfeld RMA, Endicott J, Keller M: Validation of the concept of endogenous depression: a family study approach. *Archives of General Psychiatry* 43:246-251, 1986.
- Bailey CH, Chen M: Long-term sensitization in aplysia increases the total number of varicosities of single identified sensory neurons. *Society for Neuroscience Abstracts* 12:860, 1986.
- Barkai A, Baron M, Kowalik S et al: Modification of lig and binding to membranes by a soluble acceptor. *Biological Psychiatry* 21:883-888, 1986.
- Inhibition of 3H-imipramine binding by plasma from depressed and normal subjects. *Journal of Psychiatric Research* 17:261-267, 1986.
- Barkai et al: Inhibition of 3H-IMI binding by plasma from depressed and neuronal subjects. *Psychiatry Research* 17:261-267, 1986.
- Barkai A, Kowalik S, Reches A, Cooper T, Fahn S: Attenuation by electroshock treatment of the haloperidol-induced rise in the binding of 3H-imipramine to rat brain membranes. *Psychopharmacology* 86:400-403, 1985.
- Barkai et al: Modification of ligand binding to membranes by a soluble acceptor: alpha-l-acid glycoprotein attenuates 3H-IMI binding to cerebral membranes. *Biological Psychiatry* 21:883-888, 1986.
- Baron M, Barkai A, Given R et al: Platelet 3H-imipramine binding in affective disorders: trait vs. state characteristics. *American Journal of Psychiatry* 143:711-717, 1986.
- Baron M, Risch N, Levitt M, Gruen R: Genetic analysis of plasma amine oxidase activity in schizophrenia. *Journal of Psychiatric Research* 15:121-132, 1985.
- Baron M: Genetics of schizophrenia. I. familial patterns and mode of inheritance. *Biological Psychiatry* 21:1051-1066, 1986.
- Genetics of schizophrenia. II. vulnerability traits and gene markers. *Biological Psychiatry* 21:1189-1211, 1986.
- Barsa JJ, Toner J, Gurland B, Lantigua R: Ability of internists to recognize and manage depression in the elderly. *Internal Journal of Geriatric Psych* 1:57-62, July 1986.
- Becker JV, Kaplan MS, Cunningham-Rathner J, Kavoussi R: Characteristics of adolescent incest sexual perpetrators: preliminary findings. *Journal of Family Violence* 1:85-96, 1986.
- Beebe B, Jaffe J, Feldstein S, Mays K, Alson D: Interpersonal timing: The application of an adult dialogue model to mother-infant vocal and kinesic interactions. In: *Social Perception in Infants*. Field T, Fox M (Eds.). Norwood, NJ, 217-47, 1985.
- Belardetti F, Schacher S, Kandel ER, Siegelbaum SA: The growth cones of aplysia sensory neurons: modulation by serotonin of action potential duration and single potassium channel currents. *Proceedings of the National Academy of Science, USA*, 83:7094-7098, 1986.
- Belardetti F, Schacher S, Siegelbaum SA: Action potentials, macroscopic and single channel currents recorded from growth cones of aplysia neurons in culture. *Journal of Physiology, London*, 374:289-313, 1986.
- Bennett R: Changing life course-expected and unexpected consequences University of Manitoba, Winnipeg, April 1986.
- Disciplinary roles in interdisciplinary education: interdisciplinary education in medicine and related health professions. *Northeastern Gerontological Society meeting*, Newport, RI, May 1986.
- The departmental perspective. *New York State Association of Gerontological Educators meeting*, NY, Oct. 1985.
- Bilder RM, Mukherjee S, Rieder RO, Pandurangi A: Symptomatic and neuropsychological components of defeat states. *Schizophrenia Bulletin* 11:409-419, 1985.
- Blain JD, Malitz S: Mechanisms of action: discussion of part VII, In *ECT: Clinical and Basic Research Issues*. *Annals of the New York Academy of Science*, Malitz S, Sackeim HA (Eds.). 462:416-418, 1986.
- Block R, DeVoe M, Stanley B, Stanley M, Pomara N: Memory performance in individuals with primary degenerative dementia: its similarity to diazepam-induced impairments. *Experimental Aging Res* 11:151-155, 1985.
- Brake S, Tavana S, Myers M: A method for detecting and analyzing intra-oral negative pressure in suckling rat pups. *Physiology and Behavior* 36:575-578, 1986.
- Brook J, Whiteman M, Gordon AS, Cohen P: Some models and mechanisms for explaining the impact of maternal and adolescent characteristics on adolescent stage of drug use. *Developmental Psychology* 22:460-467, 1986.
- Dynamics of childhood and adolescent personality traits and adolescent drug use. *Developmental Psychology* 22:403-414, 1986.
- Brown CL, Feldstein S, Jasnow M, Beebe B, Jaffe J: A strategy for investigating autism as a prelinguistic disorder of social development. *Australian Journal of Human Communication Disorders* 13:2, 61-76, 1985.
- Bruder GE, Sutton S, Jasiukaitis S: Hemispheric lateralization for auditory temporal and spatial perception. Paper presented at the Eastern Psychological Association Meetings, NY, April 1986.
- Canino I, Gould MS, Prupis S, Shaffer D: A comparison of symptoms and diagnoses in hispanic and black children in an outpatient mental health clinic. *J of Amer Academy of Child Psychiatry* 25:254-259, 1986.
- Canino I et al: Runaway and homeless youth at risk: a clinical research study. *American Academy of Child Psychiatry meeting*, Los Angeles, CA, 1986.
- Cantor S, Kestenbaum CJ: Psychotherapy with schizophrenic children. *J of Am Acad of Child Psych* 25:623-630, 1986.

- Caton C, Coh SP, Fleiss JL, Barrow S, Goldstein JM: Rehospitization in chronic schizophrenia. *J of Nervous and Mental Disease* 173:139-148, 1985.
- Caton C: The homeless experience in adolescent years. In *Mental Health Needs of Homeless Persons*, Bassuk BL (Ed.), Jaffe Bass, CA, June 1986.
- Chiel HJ, Weiss KR, Kupfermann I: An identified histaminergic neuron modulates feeding motor circuitry in aplysia. *Journal of Neuroscience* 6:2427-2450, 1986.
- Clark WC, Carroll JD, Janal MN: Conferring meaning upon the dimensions of global pain with the property mapping (PREMAP) model. American Pain Society, Dallas, TX, Oct 1985.
- Clark WC, Ferrer-Brechner J: A multidimensional scaling (INDISCAL) approach to pain in cancer patients and controls. American Psychological Association, Los Angeles, CA, August 1985.
- Clark WC, Janal MN, Carroll DJ, Yang JC: KYST analysis using correlation between items on the McGill Pain Questionnaire as a measure of distance. A 4-dimensional solution. American Pain Society, Wash. DC, 1986.
- Clark WC, Portney S, Janal M: Mapping the mind: an individual differences multidimensional scaling approach. Society for Research in Psychopathology, Cambridge, MA, 1986.
- Clark WC: Multidimensional scaling of chronic pain. Symposium on Behavioral Assessment of Pain, American Pain Society, Dallas, TX, Oct 1985.
- Cohen P, Kohn M: Diagnostic algorithms: alternative approaches. Written under contract to the NIMH, March 1986.
- Validating diagnoses made by applying a computer algorithm to the data generated by a structured interview for children and parents. Written under contract to NIMH, March 1986.
- Cooper T, Harrison W, Liebowitz MR, Stewart JW, Quitkin FW, McGrath PJ, Rabkin JR, Klein DF: The dtyramine challenge test as a marker for melancholia. Presented at IV World Congress of Bio Psych, PA, September 1985.
- Cooper T, Kelly R: GLC analysis of loxapine and amoxapine in serum, tissues and urine. In *Methodology for Analytical Toxicology*, Sunshine I (Ed.). CRC Press, USA, 1985.
- Cornblatt B, Erlenmeyer-Kimling L: Global attentional deviance in children at risk for schizophrenia: specificity and predictive validity. *Journal of Abnormal Psychology* 94:470-486, 1985.
- Cornblatt B, Marcuse Y: Children at high risk for schizophrenia: predictions from childhood to adolescence. In *Life-span Research on the Prediction of Psychopathology*, Erlenmeyer-Kimling L, Miller N (Eds.). Lawrence Erlbaum Assoc., NJ, 1986.
- Coryell W, Endicott J, Keller M, Andreasen NC: Phenomenology and family history in DSM III psychotic depression. *Journal of Affective Disorders* 9:13-18, 1985.
- Cropper EC, Lloyd PE, Reed W, Kupfermann I, Weiss KR: Localization of peptides in buccal cholinergic motor neurons B15 and B16. *Society of Neuroscience Abstract* 12:947, 1986.
- Dabbagh M, Stanley M, Gershon S: New antipsychotic agents clinical studies. In *Antipsychotics, Drugs in Psychiatry Series*, Burrows et al (Eds.). Elsevier Biomedical Press, 1985.
- Dale N, Kandel ER, Schacher S: 5-IIT induces long-lasting excitability changes in cultured aplysia neurons. *Society of Neuroscience Abstract* 12:1339, 1986.
- Deutsch S, Halperin R, Stanley M, Davis KL: Effects of chronic haloperidol and quinacrine co-administration on straital HVA levels and stereotypic behaviors in response to apomorphine in the rat. *Neurochem Res* 10:415-422, 1985.
- Decina P: The biochemistry of electroconvulsive therapy: discussion of part III. In *ECT: Clinical and Basic Research Issues*, Annals of the New York Academy of Sciences 462:172-173, 1986.
- Dixit M, Dixit S, Durkin-Longley M: Educational needs and resources for disabled children in Nepal: Implications from an epidemiologic study. Annual Conference on South Asia, Madison, Wisconsin, Nov. 1985.
- Dohrenwend BP, Shrout PE, Link BG, Martin JL, Skodol AE: Overview and initial results from a risk factor study of depression and schizophrenia. In *Mental Disorders in the Community: Progress and Challenge*, Barrett JE (Ed.). Guilford Press, NY, 1986.
- Dohrenwend B, Levav I, Shrout P: Screening scales from the psychiatric epidemiology research interview (PERI). In *Community Surveys of Psychiatric Disorders*, Weissman MM et al (Eds.), Rutgers Univ Press, NJ, 1985.
- Dohrenwend B, Shrout P: 'Hassles' in the conceptualization and measurement of life stress variables. *Am Psychol* 40:780-785, 1985.
- Downey J, Ehrhardt AA, Bell J, Morishima A: Endocrine factors and family coping style: adolescent and adult functioning in Turner Syndrome and constitutional short stature. American Society of Psychosomatic Obstetrics and Gynecology meeting, Penn., April 1986.
- Downey J, Ehrhardt AA, Bell J, Morishima A, Gruen R: Impact of estrogen deficiency and birth defect in Turner syndrome: long-term mental health effects in childhood and adolescence. American Academy of Child Psychiatry meeting, San Antonio, TX, Oct. 1985.
- Downey SJ, Ehrhardt AA, Morishima A, Bell J, Gruen R: Turner syndrome vs. constitutional short stature: psychopathology and reactions to height. In *Slow Grows the Child: Psychosocial Aspects of Growth Delay*, Stabler B, Underwood L (Eds.). Lawrence Erlbaum Assoc. Inc., NJ 1985.
- Dulberg E: A model for predicting the prevalence of IDD's from goiter data—preliminary report. *IDD Newsletter*, August 1985.
- Durkin-Longley M, Belmont L, Stein Z: The epidemiology of childhood disabilities in developing countries: implications for rehabilitation. American Public Health Association meeting, Wash. DC, Nov. 1985.
- Ehrhardt AA: Abnormal puberty: psychological implications and treatment issues. In *The Clinical Guide to Child Psychiatry*, Shaffer D, Ehrhardt AA, Greenhill LL (Eds.). The Free Press, NY 1985.
- Eison A, Eison M, Stanley M, Riblet L: Serotonergic mechanisms in the behavioral effects of buspirone and gepirone. *Pharmacol Biochem Behav* 24:701-707, 1986.
- Emmers R, Tamir H, Wilchek M: Modulation of pain by N-hexanoyl-5-hydroxy-tryptophyl-5-hydroxytryptophan amide. *FASEB*, 1986.
- Endicott J, Halbreich U, Nee J: Assessment of premenstrual changes. In *Proceedings, IVth World Congress of Biological Psychiatry*, Shagass C et al (Eds.). Elsevier Science Publishing Co., 1986.
- Endicott J, Nee J, Coryell W, Keller M, Andreasen NC, Croughan J: Schizoaffective, psychotic and nonpsychotic depression: differential familial association. *Comparative Psychiatry* 27:1-13, 1986.
- Endicott J, Nee J, Cohen J, Fleiss JL, Simon R: Diagnosis of schizophrenia: prediction of outcome. *Archives of General Psychiatry* 43:13-19, 1986.
- Endicott J: Schedule for affective disorders and schizophrenia regular and change versions: measures of depression. In *Assessment of Depression*, Sartorius N, Ban TA (Eds.). Heidelberg, Springer-Verlag, 1986.
- Erlenmeyer-Kimling L, Miller N (Eds.): *Life-span Research on the Prediction of Psychopathology*. Lawrence Erlbaum Assoc., NJ, 1986.
- Favilla M, Hlenign W, Gordon J, Ghez C: Preparatory set: independent specification of direction and size in the preparation of responses

- to a range of targets. Society of Neuroscience Abstract 12:972, 1986.
- Favilla M, Hening W, Chez C: Human tracking performance: parallel specification of amplitude and direction. Society of Neuroscience Abstract 11:72, 1985.
- Fenton FR, Tessier L, Struening EL, Smith FA, Benoit C, Contandriopoulos A, Nguyen H: Une comparaison de deux ans sur les couts d'un traitement psychiatrique a domicile et a l'hospital. In *Le Travail Social et la Sante au Quebec*, Emond M et al (Eds.). Behaviora, Quebec, 1985.
- Fifer WP, Moon C: Discrimination and preference for voices in newborns. International Society for Developmental Psychobiology meeting, MD, 1986.
- Flament M, Rapoport J, Whitaker A, Berg C, Sceery W: Obsessive-compulsive disorder in adolescents: an epidemiological study. Paper presented at the American Academy of Child Psychiatry, San Antonio, Oct 1985.
- Flaster MS, Ambron RT, Schacher S: Neuropeptides or their precursors are present in growth cones of aplysia neurons in vitro. Society of Neuroscience Abstract 11:587, 1985.
- Frances A, Oldham J: Unsuccessful treatment of a 45-year old man with delusions of somatic disorders. *Hospital and Community Psychiatry* 37:993-994, 1986.
- Freidman D, Boltri J, Vaughan HG, Erlenmeyer-Kimling L: Age-related changes in endogenous components during visual continuous performance tasks. *Electroenceph. Clin. Neuro-physiology* 38:112-114, 1986.
Effects of age on the cognitive brain potentials during two continuous performance tests. In *Cerebral Psychophysiology: Event-related Potentials*, McCallum WC, Zappoli R, Denoth F, EEG Suppl. 38, 112-114, 1986.
- Friedman D, Cornblatt , Vaughan HG, Erlenmeyer-Kimling L: Event-related potentials in children at risk for schizophrenia during two versions of the CPT. *Journal of Psychiatry Research* 18:161-177, 1986.
- Friedman D, Putnam L, Sutton S: Mini-longitudinal study of the endogenous brain potentials. *Psychophysiology* 23:437, 1986.
- Frost WN, Castellucci VF, Hawkins RD, Kandel ER: Monosynaptic connections made by the sensory neurons of the gill- and siphon-withdrawal reflex in aplysia participate in the storage of long-term memory for sensitization. *Proceedings of the National Academy of Science USA*, 82:8266-8269, 1986.
- Fyer AJ, Liebowitz MR, Gorman JM, Davies SO, Klein DF: Lactate vulnerability of remitted panic patients. *Psych Res* 14:143-148, 1985.
- Fyer AJ, Klein DF: Agoraphobia, social phobia and simple phobia. In *Psychiatry*, Cavenar JO (Ed.), Lippincott, PA 1985
- Geller B, Cooper T, Chestnut E: Serial monitoring and achievement of steady state nortriptyline plasma levels in depressed children and adolescents: preliminary data. *J of Clin Psychopharm* 5:213-216, 1985.
- Geller B, Farooki Z, Cooper T, Chestnut E, Abel A: Serial ECG measurements at controlled plasma levels of nortriptyline in depressed children. *Amer J Psychiatry* 14:1095-1097 1985
- Gershon S, McIntyre I, Ponara NL, Stanley M, Oxyenkrug G: Alternations in cholinergic receptors mediate the effects of dexamethasone on corticosterone. *Biol Psychiat* 20:458-460, 1985.
- Gershon MD, Tamir H: Peripheral sources of serotonin and serotonin binding proteins in serotonin and the cardiovascular system, Vanhoutte PM (Ed.). Raven Press, 1986.
- Gibbon J: The structure of subjective time: how time flies. In *The Psychology of Learning and Motivation*, Vol. 20, Bower (Ed.). Academic Press, NY, pp 105-135, 1986.
- Gittelman R, Mannuzza S, Shenke R, Bonagura N: Hyperactive boys almost grown-up: I. Psychiatric status. *Archives of General Psychiatry* 42:937-947, 1985.
- Gittelman R: Assessment of the classroom behavior of hyperactive children. *Nutrition Reviews* 44:135-144, 1986.
- Gittleman R, Klein D: Hillside behavior rating scale (behavior during testing). *Psychopharm Bull* 21:898-899, 1985.
- Glassman AH, Schildkraut JJ, Orsulak PJ, Cooper TB, Kupfer DJ, Shader RI, Davis JM, Carroll B, Perel JM, Klerman GL, Greenblatt DJ: Tricyclic antidepressants—blood level measurements and clinical outcome: an APA task force report. *American Journal of Psychiatry* 142:155-162, 1985.
- Goelet P, Castellucci VF, Schacher S, Kandel ER: The long and short of long-term memory: a molecular framework. *Nature* 322:419-422, 1986.
- Goldberg DJ, Schacher S: Differential growth of two branches of a regenerating bifurcate axon is associated with changes in partitioning between the branches of organelles moving by fast axonal transport. Society of Neuroscience Abstract 12:369, 1986.
- Goldstein S, Halbreich U, Endicott J, Hill E: Premenstrual hostility, impulsivity and impaired social functioning. *Journal of Psychosomatic Obstetrics and Gynecology* 5:33-38, 1986.
- Goodnick PJ, Fieve RR: Lithium treatment in the elderly with affective disorders: interepisode functioning, relapse rate, and predictors of response. Abstracts of World Psychiatric Association Regional Symposium on Affective Disorders, pp 71, Oct, 1985.
Interepisode functioning and relapse in affective disorder: relationship to factors of history of disorder and lithium treatment. Abstracts of World Psychiatric Association Regional Symposium on Affective Disorders, pp 71, Oct, 1985.
Predicting interepisode functioning and relapse during lithium prophylaxis. Abstracts of World Congress of Biological Psychiatry, pp 180, Sept. 1985.
- Goodnick PJ, Fieve RR, Peselow ED, Schlegel A: The general behavior inventory: a new instrument to measure subclinical affective states in studies of depression and prophylaxis, *Acta Psychiatr Scand* 73:529-532, 1986.
- Goodnick PJ, Fieve RR, Schlegel A: Clinical, biochemical, and neuroendocrine effects of lithium discontinuation. *ACNP Annual Meeting Abstracts*, 1986.
- Goodnick PJ, Schlegel A, Fieve RR: Lithium withdrawal effects on the 5HTP and clonidine tests. Abstracts of APA Annual Meeting 105:69, Wash. DC, 1986.
- Gordon J, Ghez C: Mechanisms contributing to accuracy in aimed force impulses: rise time regulation and corrective adjustments. Society of Neuroscience Abstract 11:75, 1985.
- Gordon J, Hening W, Ghez C: Abnormalities of trajectory control in dystonia. *Neurology* 36:183, 1986.
- Gorman J, Liebowitz M, Fyer A, Klein D: Possible respiratory abnormalities in panic disorder. *Psychopharm Bull* 22:797-801, 1986.
- Gorman J, Fyer A, Ross D, Cohen V, Martinez J, Liebowitz M, Klein D: Normalization of venous PH, pCO2 and bicarbonate levels after successful treatment of panic disorder. *Psych Res* 14:56-65, 1985.
- Gorman J, Liebowitz M, Fyer A, Dillon D, Davies S, Klein D: Lactate infusion of obsessive-compulsives. *Am J Psych* 142:864-866, 1985.
- Gorman J, Liebowitz M, Fyer A, Baron M, Levitt M, Klein D: Monoamine oxidase levels in patients with panic disorder. *Biological Psych* 20:852-857, 1985.
- Gorman J, Liebowitz M: Panic and anxiety disorders. In *Psychiatry*, Cavenor JD (Ed.), Lippincott, NY, 1985.

- Gorman J, Shear MK, Deveraux R, King DL, Kein DF: Prevalence of mitral valve prolapse in panic disorder: effect of echocardiographic criteria. *Psychosom Med* 3-4:167-170, 1986.
- Gorman J, Liebowitz M, Fyer A, Klein D: Treatment of social phobia with atenolol. *J Clin Psychopharm* 5:298-301, 1985.
- Gorman J, Dillon D, Fyer A, Liebowitz M, Klein D: The lactate infusion model. *Psychopharm Bull* 21:428-433, 1985.
- Gould MS, Shaffer D, Kaplan D: The characteristics of dropouts from a child psychiatric clinic. *J of Amer Academy of Child Psychiatry* 24:316-328, 1985.
- Gould MS, Shaffer D: Epidemiology and child psychiatry. In *Psychiatry*, Cavenar JO (Ed.). Lippincott, NY, 1986.
- The impact of suicide in television movies: evidence of imitation. *New Eng J of Med* 315:690-694, 1986.
- Correspondence of adolescent and parental reports in a child psychiatry clinic. *American Academy of Child Psychiatry*, San Antonio, TX, Oct. 1985.
- Graziano JH: A prospective study of environmental and pregnancy outcome. *International Conference on Neurotoxicology in the Fetus and Child*, Little Rock, Arkansas, Sept. 1985.
- Greenhill L, Cooper T, Cornblatt B, Solomon M: Methyphenidate salivary levels in an ADHD study. Presented at NCDEU meeting, Florida, May 1986.
- Gruen R, Baron M, Levitt M, Kane J: Plasma amine oxidase and clinical features of schizophrenia. *Journal of Psychiatric Research* 142:972-973, 1985.
- Gutterman E et al: Vulnerability to stress among women with in-utero diethylstilbestrol (DES) exposed daughters. *Journal of Human Stress* 11:103-109, 1985.
- Long-term distress subsequent to pregnancy drug administration: women with in-utero diethylstilbestrol (DES) exposed daughters. *Journal of Psychosomatic Obstetrics and Gynecology* 5:51-63, 1986.
- Halbreich U, Godstein S, Cooper T, Mathe A: Different pattern of association of beta-endorphin and cortisol responses to dextroamphetamine in postmenopausal women and young men. *Psychiatry Research* 16:11-19, 1985.
- Halbreich U, Endicott J, Goldstein S, Nee J: Premenstrual changes and changes in gonadal hormones (abstracts). 8th International Congress of the International Society of Psychosomatic Obstetrics and Gynecology. Melbourne, Australia, March 10-14, 1986.
- Halbreich U, Endicott J, Lesser J: Clinical diagnosis and classification of premenstrual changes. *Can Journal of Psychiatry* 30:489-497, 1985.
- Harrison WS, Rabkin JG, McGrath P, Stewart J, Quitkin F, Tricamo E: Phenelzine for chronic depression: a study of continuation treatment. *Journal of Clinical Psychiatry* 47:346-349, 1986.
- Harrison W, Rabkin J, Erhardt A, Stewart J, McGrath P, Ross D, Quitkin F: Effects of antidepressant medications on sexual function: a prospective controlled study. *J of Clin Psychopharmacology* 6:144-149, 1986.
- Hawkins RD, Carew TJ, Kandel ER: Effects of interstimulus interval and contingency on classical conditioning of the aplysia siphon withdrawal reflex. *Journal of Neuroscience* 6:1695-1701, 1986.
- Herskovic J, Kietzman ML, Sutton S: Visual flicker in depression: response criteria, confidence ratings and response times. *Psychological Medicine* 16:187-197, 1986.
- Hochner B, Klein M, Schacher S, Kandel ER: Action potential duration and the modulation of transmitter release from the sensory neurons of aplysia in presynaptic facilitation and behavioral sensitization. *Proceedings of the National Academy of Science USA*, 83:8410-8414, 1986.
- Hofer MA: Nutrient control of cardiac rate in infant rats: role of arterial baroreceptors. *American Journal of Physiology* 249:R443-R448, 1985.
- Nutrient control of cardiac rate in the infant rat: alpha adrenergic mechanisms. *Physiology and Behavior* 36: 557-565, 1986.
- Role of carotid sinus and aortic afferents in respiratory control of infant rats. *American Journal of Physiology* 251:R811-R817, 1986.
- Hotchner B, Klein M, Schacher S, Kandel ER: Additional component in the cellular mechanism of presynaptic facilitation contributes to behavioral dishabituation in aplysia. *Proceedings of the National Academy of Science USA*, 83:8794-8798, 1986b.
- Hou-Yu A, Kelly DD, Silverman AJ: Effects of chronic behavioral stress on corticotropin-releasing hormone (CRF) and its co-expression with oxytocin (OT) in the rat paraventricular nucleus (PVN). *Neuroscience Abstracts* 12: 781, 1986.
- Hungund BL, Cooper TB: Formation of fatty acid ethyl esters in the brain and liver of chronic alcohol mice. (Abstract) *Soc. Neuroscience* 12: 288, 1986.
- Hutchings DE: Prenatal opioid exposure and the problem of causal inference. In *Current Research on the Consequences of Maternal Drug Use*, Pinkert TM (Ed.). DHHS Pub No (ADM) 85-1400, DC, US Gov Print Off, pp 6-19, 1985.
- Methadone: A Treatment for Drug Addiction. New York: Chelsea Press, 1985.
- Issues of methodology and interpretation in clinical and animal behavioral teratology studies. *Neurobehavioral Toxicology and Teratology* 7:639-642, 1985.
- Hutchings DE, Fifer WP: Neurobehavioral effects in human and animal offspring following prenatal exposure to methadone. In *Handbook of Behavioral Teratology*, Riley E, Vorhees C (Eds.). Plenum Press, NY 1986.
- Hyler S, Rider R, Williams JBW, Spitzer RL, Hendler J, Lyons M: PDQ vs. clinical diagnosis of personality disorder. *American Psychiatric Association meeting*, DC, May 1986.
- Jaffe J, Pringle, Graham F, Anderson SW: Speed of color naming and intelligence association in girls; disassociation in boys. *Journal of Communication Disorders* 18: 63-66, 1985.
- Janal MN, Clark WC, Yang JC, Wharton RN: Type A behavior pattern and the report of pain. *American Pain Society*, Dallas, TX, Oct 1985.
- Kandel DB, Davies M, Karus D, Yamaguchi K: The consequences in young adulthood of adolescent drug involvement: an overview. *Archives of General Psychiatry* 43:746-754, 1986.
- Kandel DB, Davies M: Adult sequelae of adolescent depressive mood. *Archives of General Psychiatry* 43:255-262, 1986.
- Kandel DB, Simcha-Fagan O, Davies M: Risk factors for delinquency and illicit drug use from adolescence to young adulthood. *Journal of Drug Issues* 16:67-90, 1986.
- Kandel DB: On Processes of peer influences in adolescence. In *Development as Action in Context*, Silbereisen RK et al (Eds.). Springer Verlag, 1986.
- On processes of peer influences in adolescent drug use: a developmental perspective. In *Advances in Alcohol and Substance Abuse*, Brook J et al (Eds.) Summer, 1985.
- Kanofsky JD, Rosen WA, Ryan PB, Decina P, Fieve RR, Kanofsky PB. Lead levels in the hair of bipolar patients and normal controls. *Medical Hypotheses* 20:151-155, 1986.
- Karpiak SE, Li YS, Aceto P, Mahadik SP: Mortality after ischemia in gerbils reduced by ganglioside treatment. *Society of Neuroscience Abstract*, 1986.
- Kass F, MacKinnon R, Spitzer R: Masochistic personality: an empirical study. *American Journal of Psychiatry*, 1986.

- Kass F, Skodol A, Charles E, Spitzer R, Williams J: Scaled ratings of DSM III personality disorders. *American Journal of Psychiatry* 1985.
- Keller MB, Lavori PW, Klerman GL, Andreasen NC, Endicott J, Coryell W, Fawcett J, Rice JP, Hirschfeld RMA: Low levels and lack of predictors of somatotherapy and psychotherapy received by depressed patients. *Archives of General Psychiatry* 43:458-466, 198.
- Keller MB, Lavori PW, Coryell W, Andreasen N, Endicott J, Clayton PJ, Klerman GL, Hirschfeld RMA: Differential outcome of pure manic, mixed/cycling, and pure depressive episodes in patients with bipolar illness. *JAMA* 255:3138-3141, 1986.
- Kelly DD, Silverman AJ, Hou-YU A: Behavioral correlates of a chronic stress paradigm that alters hypothalamic CRF neurons. *Neuroscience Abstracts* 12:781, 1986.
- Kelly DD: Stress-Induced Analgesia, Kelly DD (Ed.), Ann. New York Academy of Sciences, NY 1986.
- Kestenbaum CJ: Thoughts on the precursors of affective and cognitive disturbances in schizophrenia. In *Towards a Comprehensive Psychoanalytic Psychotherapy for Schizophrenic Disorders*, Finesilver D (Ed.), Analytic Press, 1985.
- The professional woman's dilemma—love and/or power. *Am J of Psychoanalysis* 46:1, 1986.
- The creative process in child psychotherapy. *Am J of Psychotherapy* 39:497-489, 1985.
- Kiely JL, Paneth N, Susser M: Fetal death in labor: an epidemiologic indicator of level of obstetric care. *American Journal of Obstetrics and Gynecology* 153:721-727, 1985.
- Kiely JL, Paneth N, Susser M: An assessment of maternal age and parity in different components of perinatal mortality. *American Journal of Epidemiology* 123:44-454, 1986.
- Kiely JL, Paneth N, Susser M: Preventability of fetal death during labor: epidemiologic studies and ongoing surveillance using New York City vital records. In *Proceedings of the 1985 Public Health Conference on Records and Statistics*, Wash. DC, August 1985.
- Kietzman ML: Information-processing approaches to psychopathology. Paper presented at VA conference entitled "Investigative approaches to brain-behavior relationships in psychopathology and aging". Murfreesboro, TN, Sept 1985.
- Sensory and perceptual behavioral markers of schizophrenia. *Psychopharmacology Bulletin* 21:518-522, 1985.
- Klein D, Rabkin J, Gorman J: Etiological and pathological inferences from the pharmacological treatment of anxiety. In *Anxiety and the Anxiety Disorders*, Tuma H, Maser J (Eds.), Erlbaum Publishers, NJ, 1985.
- Klein DF, Quitkin FM: Problems with and promises of monoamine oxidase inhibitors. *Psychopharm Bull* 22:7-11, 1986.
- Kline J, Stein Z, Susser M: Very early pregnancy: fertilization and implantation frequency and cause of loss. In *Perinatal Genetics: Diagnosis and Treatment*, Porter IH, Hatcher NH, Willey AM (Eds.), Academic Press, NY, 1986.
- Kline J, Stein Z: Environmental causes of aneuploidy: Why so elusive? In *Symposium on Aneuploidy: Etiology and Mechanisms*, Vaughan-Dellarco V et al (Eds.), Plenum Press, NY, 1985.
- Kline J: Maternal occupation: effects on spontaneous abortions and malformations. *State of Art Reviews: Occupational Medicine* 3:381-403, 1986.
- Kline J, Stein Z, Susser M, Warburton D: Induced abortion and the chromosomal characteristics of subsequent miscarriages (spontaneous abortions). *American Journal of Epidemiology* 123:1066-1079, 1986.
- Kogan MJ, Alexander GJ: Motor impairment after THC intake in rats: effect of other cannabinoids. *Physiologist* 29:156, 1986.
- Kovacic B, Ruffing DM, Stanley M: Effects of neuroleptics and of potential new antipsychotic agents on monkeys with tardive dyskinesia. *Journal of Neural Transmission* 65: 39-49, 1986.
- Kreisman D, Bloomenthal R: Family attitudes, rejection and outcome in schizophrenics. *Univ Symposium*, U of Mass, 1985.
- Kretz R, Shapiro E, Bailey CH, Chen M, Kandel ER: Presynaptic inhibition produced by an identified presynaptic inhibitory neuron II: presynaptic conductance changes caused by the putative transmitter. *Journal of Neurophysiology* 5:131-146, 1986.
- Lerer SB, Stanley M, Altman H: ECT, acetylcholine receptors, and memory. *Proceedings from VII World Congress of Psychiatry*, Vienna, Austria, 2:577-582, 1985.
- Lerer SB, Stanley M: Effect of chronic lithium on cholinergically-mediated responses and [3H] QNB Binding in rat brain. *Brain Research* 344:211-219, 1985.
- Lerer SB, Stanley M, Altman H, Keegan M: An animal model of ECT induced amnesia: possible neurochemical correlates. *Annals of the NY Academy of Sciences*, 1986.
- Levin A, Hyler S: DSM-III personality diagnosis in bulimia. *Comprehensive Psychiatry*, 1986.
- Levin A, Fyer A, Gorman J, Liebowitz M, Klein D: Troubles paniques. Les nouveaux aspects de l'anxiete, *Symposium Intl. Actualities Medicales Intl en Psych* 22:90-96, 1986.
- Lewis C, Rice J, Andreasen N, Endicott J: Antisocial and the non-antisocial male alcoholic. *Alcoholism: Clinical and Experimental Research* 10:97, 1986.
- Li YS, Mahadik SP, Rpport MM, Karpiak SE: Acute effects of GM1 ganglioside: reduction in both behavioral asymmetry and loss of Na,K-ATPase after nigro-striatal transection. *Brain Research* 377:292-297, 1986.
- Liebowitz M, Gorman J, Fyer A, Levitt M, Dillon D, Levy G, Appleby I, Anderson S, Palij M, Davies S, Klein D: Lactate provocation of panic attacks: II. Biochemical and physiological findings. *Arch Gen Psych* 42:709-719, 1985.
- Liebowitz M, Fyer A, Gorman J, Klein D: Recent developments in the understanding and pharmacotherapy of panic attacks. *Psychopharm Bulletin* 22:797-801, 1986.
- Liebowitz M, Gorman J, Fyer A, Dillon D, Klein D: L'induction pharmacologique des crises de panique. Les nouveaux aspects de l'anxiete, *Symposium Intl. Actualities Medicales Intl en Psychiatrie* 22:29-34, 1986.
- Liebowitz M, Quitkin F, Stewart J, McGrath P, Harrison W, Rabkin J, Tricamo E, Markowitz J, Klein D: Effect of panic attacks on the treatment of atypical depressives. *Psychopharm Bull* 21:558-561, 1985.
- Liebowitz M, Gorman J, Fyer A, Klein D: Social phobia: review of a neglected anxiety disorder. *Arch Gen Psych* 42:729-736, 1985.
- Liebowitz M, Gorman J, Fyer A: Psychopharmacological treatment of social phobia. *Psychopharm Bull* 21:610-614, 1985.
- Liebowitz M, Fyer A, Gorman J, Campeas R, Levin A: Phenelzine in social phobia. *J of Clin Psychopharm* 6:93-98, 1986.
- Liebowitz M, Gorman J, Fyer A, et al: Possible mechanisms for lactate's induction of panic. *Am J Psych* 143:495-502, 1986.
- Lindy D, Walsh B, Roose S, Gladis M, Glassman A: Dexamethasone suppression test in bulimia. *Amer J Psychiatry* 142:1375-1376, 1985.
- Link BG, Dohrenwend B, Skodol AE: Socio-economic status and schizophrenia: noisome occupational characteristics as a risk factor. *Am Soc Rev* 51:242-258, 1986.
- Lloyd PE, Kupfermann I, Weiss KR: Two endogenous neuropeptides (SCP_a and SCP_b) produce a cAMP-mediated cardiac activity in aplysia. *Journal of Comparative Physiology* 156:659-667, 1985.

- Lo ES, Hunter C, Suckow RF, Cooper TB: Fluphenazine radiomunoassay-a simple direct method for plasma level monitoring. *Journal of Clin. Immunoassay* 9:33, 1986.
- Lo, ES, Li YS: Dopaminergic influence on striatal opioids in hemi-transected rats (abstract). Presented at 17th annual meeting of the American Society for Neurochemistry, Montreal, Canada, March 16-21, 1986.
- Lovell AM, Barrow S, Stuenkel EL: Measurement issues in services research on the homeless mentally ill. Proceedings of the VIII Annual MSIS National Users Conference, Franks J, Levine MS (Eds.). Nathan S. Kline Institute, 1985.
- Lumey LH: Famine and birthweight in the second generation: maternal transmission of an environmental experience. International Congress, Netherlands Pediatric Association, Noordivkerhout, Netherlands, Oct. 1985.
- Mahadik SP, Karpiak SE: GM1 ganglioside enhances neonatal cortical development. *Journal of Neurotoxicology* 7:165-172, 1986.
- GM1 ganglioside accelerates neonatal development: increased neurochemical maturation. *Neurotoxicology* 7:165-172, 1986.
- Mahadik SP, Laev H, Rapport MM: Preparation and specificity of eleven monoclonal antibodies to GM1 ganglioside. *Journal of Neurochemistry* 47:1172-1175, 1986.
- Mahadik S, Laev H, Vilim F, Korenovski A, Karpiak S: Striatal cholinergic disturbance induced by haloperidol: chAT and ACE. *Neuroscience Abstract* 12:1562, 1986.
- Malitz S, Sackeim HA (Eds.): ECT: Clinical and Basic Research Issues. *Annals of NY Academy of Sciences*, Vol. 462, 1986.
- Malitz S, Sackeim HA, Decina P, Kanzler M, Kerr B: The efficacy of ECT: dose-response interactions with modality. In ECT: Clinical and Basic Research Issues. *Annals of the New York Academy of Sciences* 462:56-64, 1986.
- Maltese WA, Sheridan KM: Subcellular distribution of proteins labelled with mevalonate in cultured cells exposed to an inhibitor of 3-hydroxy-3-methylglutaryl coenzyme A reductase. *Federation Proceedings* 45:1674, 1986.
- 3-hydroxy-3-methylglutaryl coenzyme A reductase activity in LM cells isolated in specific phases of the cell cycle by centrifugal elutriation. *Journal of Lipid Research* 27:565, 1986.
- Mann JJ, Stanley M, McBride AP, McEwen B: Increased serotonin₂ and beta-adrenergic receptor binding in the frontal cortices of suicide victims. *Arch Gen Psych* 43:954-959, 1986.
- Mann JJ, Petito C, Stanley M, McBride PA, Chin J, Philogene A: Amine receptor binding and MAO activity in postmortem human brain tissue. Effect of age, gender, and postmortem delay. In *Clinical and Pharmacological Studies in Psychiatric Disorders*, Burrows GD et al (Eds.). John Libbey & Co., London, 1985.
- Mann JJ, McBride PA, Stanley M: Aminergic receptor binding correlates of suicide: methodological issues. *Psychopharm Bulletin* 22:741-743, 1986.
- Postmortem serotonergic and adrenergic receptor binding to frontal cortex: correlations with suicide. *Psychopharm Bulletin* 22:647-649, 1986.
- Mannuzza S, Gittelman R: Informant variance in the diagnostic assessment of hyperactive children as young adults. In *Mental Disorders in the Community: Progress and Challenge*, Barrett J (Ed.), Guilford Press, NY 1986.
- Marcuse Y, Cornblatt B: Children at high risk for schizophrenia: predictions from infancy to childhood functioning. In *Life-span Research on the Prediction of Psychopathology*, Erlenmeyer-Kimling L, Miller N (Eds.). Lawrence Erlbaum Assoc., NJ, 1986.
- Markowitz JS, Gutterman EM: Predictors of psychological distress in the community following two toxic chemical incidents. In: *Exposure to Hazardous Substances: Psychological Parameters*. Lebovitz A, Singer J, Baum A (Eds.). Advances in Environmental Psychology series; Lawrence Erlbaum Associates Publishers. Hillsdale, NJ, 1986.
- Markowitz JS, Gutterman EM, Link BG: Self-reported physical and psychological effects following a melathion pesticide incident. *Journal of Occupational Medicine* 28:377-383, 1986.
- Martin JH, Brennan J, Ghez C: Differential effects of reversible inactivation of the corticospinal and rubrospinal systems on tracking performance in cats. *Society of Neuroscience Abstract* 12:257, 1985.
- Marx MS, Podos SM, Bodis-Wollner I, Howard-Williams JR, Siegel MJ, Teitelbaum CS, Maclin, EL, Severin C: Flash and pattern electroretinograms in normal and laser-induced glaucomatous primate eyes. *Investigative Ophthalmology and Visual Science* 27:378-386, 1986.
- Mayeux R, Stern Y, Williams JBW, Cote L, Frantz A, Dyrenfurth I: Clinical and biochemical features of depression in Parkinson's disease. *American Journal of Psychiatry* 143:756-759, June 1986.
- McFarlane WR, Beels CC: Family intervention in the psychoses: the role of the family physician. In *Principles of Family Systems in Family Medicine*. Henao S, Grose NP, (Eds.). Brunner/Mazel, NY, 1985.
- McGrath PJ, Stewart JW, Harrison W, Wager S, Quitkin FM: Phenelzine treatment of melancholia. *The Journal of Clinical Psychiatry* 47:420-422, 1986.
- McGrath J, Stewart JW, Harrison W, Quitkin F, Rabkin J: Lactate infusion in patients with depression and anxiety. *Psychopharm Bull* 21:555-557, 1985.
- Phenelzine treatment of melancholia. *J of Clin Psych* 47:420-422, 1986.
- McGrath P, Rabkin J, Stewart J, Harrison W, Quitkin F, Markowitz J: Placebo-controlled study of mianserin in depressed outpatients. *Neuropsychobio Bull* 14:128-132, 1985.
- Meltzer HL: Lithium mechanisms in bipolar illness and altered intracellular calcium functions. *Biological Psychiatry* 21:492-510, 1986.
- Meyendorff E, Jain A, Traskman-Bendz L, Stanley B, Stanley M: The effects of fenflurmine on suicidal behavior. *Psychopharm Bulletin* 22:155-159, 1986.
- Meyer-Bahlburg HFL, Brunder GE, Feldman JF, Ehrhardt AA, Healey JM, Bell JJ: Cognitive abilities and hemispheric lateralization in females following idiopathic precocious puberty. *Developmental Psychology* 25:878-887, 1985.
- Mischel HN, Fuhr R, McDonald MA: Children's dental pain: the effects of cognitive coping training in a clinical setting. *The Clinical Journal of Pain* 1:235-242, 1986.
- Montarolko PF, Goelet P, Castellucci VF, Morgan J, Kandel ER, Schacher S: A critical period for macromolecular synthesis in long-term heterosynaptic facilitation in aplysia. *Science* 234:1249-1254, 1986.
- Morrissey JP, Gokunis K, Barokw S, Struening EL, Katz S: Organizational barriers to serving the mentally ill homeless. In *Treating the Homeless: Urban Psychiatry's Challenge*, Jones BE (Ed.). American Psychiatric Press, 1986.
- Mukherjee S, Rosen AM, Caracci G, Shukla S: Persistent tardive dyskinesia in bipolar patients. *Archives of General Psychiatry* 43:342-346, 1986.
- Mukherjee S, Sackeim HA, Lee C, Prohovnik I, Warmflash V: ECT in treatment-resistant mania. In *Biological Psychiatry 1985*, Shagass et al (Eds.). Elsevier, NY, 1986.
- Mumford E: Continuities and discontinuities between practice and research in medicine. In *Medical Science and the Advancement of World Health*, Lanza RP (Ed.). Praeger, NY, 1985.

- Myers M, Fifer W, Dweck A, Better D, Cohen M: Blood pressure responses of human infants during feeding. International Society for Developmental Psychobiology meeting, 1986.
- Nemes Z, Volavka J, Cooper T, O'Donnell J, Jaeger J: Lithium and haloperidol. *Biol Psychiatry* 21:565-579, 1986.
- Neugebauer R: Psychiatric effects of miscarriage: research design and preliminary findings, the future of psychiatric epidemiology. World Psychiatric Association meeting, Edinburgh, Scotland, Sept. 1985.
- Nicol S, Erlenmeyer-Kimling L: Genetic factors in psychopathology: implications for prevention. In *Handbook of Prevention*, Michelson L, Edelstein B (Eds.). Plenum Publishing Co., NY, 1986.
- Novak EA, Stanley M, McIntyre I, Hryhorczuk LM: A HPLC method for quantitation of cyproheptadine in serum or plasma. *Journal of Chromatography* 339:457-461, 1985.
- Oldham JM, Frosch W: Compulsive personality disorder. In *Psychiatry*, Michels R, Cavenar JO (Eds.). JB Lippincott Co., Inc., PA, 1985.
- Oldham JM: Personality theories and Personality disorders. In *Self-Assessment of Current Knowledge in Psychiatry*, Frances R (Ed.). Medical Examination Publishing Co, NY, 1985.
- Oldham J, Clarkin J, Appelbaum A, Carr A, Kernberg P, Lotterman A: Identity, defenses and reality-testing in borderlines. In *The Borderline: Current Empirical Research*, McGlashan T (Ed.). Amer Psych Press, Inc., DC, 1985.
- Orlowski B, Kietzman ML, Dornbush RL, Winnick WA: Perceptual disorganization in schizophrenia. Meeting of the American Psychological Association, Los Angeles, CA, August 1985.
- Paneth N, Kiely JL, Wallenstein S, Snook C, Susser M: Medical care and the premature infant of normal birthweight. *Pediatrics* 77:158-166, 1986.
- Paneth N, Rudellil R, Kairan R, Pinto J: Autopsy validation of ultrasound diagnosis of brain hemorrhage in low birthweight infants. The International Child Neurology Congress, Jerusalem, March 1986, and the Society for Pediatric Research, Wash. DC, May 1986.
- Paneth N: Birth and the origins of cerebral palsy. (editorial) *New England Journal of Medicine* 315:124-126, 1986.
- Stability in U.S. prematurity rates and change in birthweight-specific morality. Conference on Perinatal Research, Glen Cove, NY, Nov. 1985.
- The etiology of cerebral palsy. *Pediatric Annals* 15:191-201, 1986.
- Pardes H: Opening statement. Mental disorders: alcohol- and drug-related problems: International perspectives on their diagnosis and classification. *Excerpta Medica*, Amsterdam, p. xi, 1985.
- The mental retardation syndrome. In *Understanding Human Behavior in Health and Illness*, Simons RC (ed.), Williams & Wilkins, MD, 1985.
- Advocacy for the mentally ill. In *Advocacy in Health Care*, Marks JH (Ed.), The Humana Press, Inc., NJ, 1986.
- Neuroscience and behavior. A monograph of a scientific symposium of the national mental health association. In *Insights II*, Arnold JR (Ed.), DC, October 1985.
- Normality versus abnormality, and the concept of mental illness. In *Understanding Human Behavior Health and Illness*, Simons RC (Ed.), Williams & Wilkins, MD, 1985.
- Psychiatry and world peace. *Social Psychiatry Journal*, Vol. 15, No. 2, Spring 1985.
- Psychodynamic factors in mental illness, and the concepts of fixation, regression, and the unconscious. In *Understanding Human Behavior Health and Illness*, Simons RC (Ed.), Williams & Wilkins, MD, 1985.
- Review of Mind, Brain, Body by Morton Reiser, *Contemporary Psychiatry* Vol. 4, No. 4, 256-257, 1985.
- Pardes H, Pincus H, Pomeranz R: Foreward. Community Mental Health Centers and Psychiatrists, 1985.
- Pardes H, Pincus H: Integration of neuroscience and psychiatry. Amer Psychiatric Press, September 1985.
- Pardes H, Regier DA, Hirschfeld RMA, Burke JA, Sirovatka PJ: The U.S. psychiatric scene and the key issues in diagnosis and classification. Mental disorders: alcohol- and drug-related problems: International perspectives on their diagnosis and classification. *Excerpta Medica*, Amsterdam, pp. 29-40, 1985.
- Pardes H, Sirovatka PJ, Pincus HA: The role of federal and state government. In *Psychiatry*, Vol. 3, Section 1, Chapter 4, Cavenar Jr. (Ed.), Lippincott Co., PA, 1985.
- Perumal AS, Smith TM, Suckow RF, Cooper TB: Bupropion and BW306U on B-receptors in mouse and ginea-pig. *Trans. American Society of Neurochemistry* 17:268, 1986.
- Effect of patient plasma containing bupropion and its metabolites on norepinephrine uptake. *Neuropharmacology* 25:199-202, 1986.
- Peselow ED, Goldring N, Stanley M, Barouoche F, Fieve RR: The dexamethasone suppression test (DST) in predicting response to desipramine and amitriptyline in depressed outpatients. *Internal Clin Psychopharm* 1:17-23, 1986.
- Pomara N, Stanley B, Block R, Stanley M, Greenblatt D, Newton R, Gershon S: Age-related effects of diazepam on memory and psychomotor performance. *J of Clin Psych* 46:185-187, 1985.
- Pomara N, Roberts R, Rhiew HB, Stanley M, Gershon S: Naltrexone fails to affect cognitive functioning and plasma cortisol in individuals with probable Alzheimer's Disease. *Neurobiology of Aging* 6:233-236, 1985.
- Pomara N, Stanley M: Treatment Development Strategies for Alzheimer's Disease, Cook T et al (Eds.). Mark Powley Associates, Inc., CT, 1986.
- The cholinergic hypothesis of memory dysfunction in Alzheimer's Disease—revisited. *Psychopharm Bulletin* 22:110-118, 1986.
- Portnoy S: The cognitive side effects of electroconvulsive therapy: discussion of part VI. In *ECT: Clinical and Basic Research Issues*. Annals of the New York Academy of Sciences, Malitz S, Sackeim HA (Eds.). 462:353-356, 1986.
- Potegal M, Barkai A, Cooper T: Opioid and serotonergic control of aggressive state. *Proceedings of the IV World Congress of Bio Psych*, PA, 1985.
- Potegal M: Differential effects of ethyl (R,S)-nipecotate on the behaviors of highly and minimally aggressive female hamsters. *Psychopharmacology* 89:444-448, 1986.
- Potkin SG, Shen YC, Pardes H, Shu L, Phelps BH, Pland R: Does a therapeutic window for plasma haloperidol exist? Preliminary chinese data. *Psychopharm Bull* 21:59-61, 1985.
- Pringle, Graham F, Jaffe J, Anderson SW: Speed of color naming and degree of familial sinistrality: Correlation in girls, no correlation in boys. *Journal of Communication Disorders* 18:59-62, 1985.
- Prohovnik I, Knudsen E, Risberg J: Theoretical evaluation and simulation test of the initial slope index for noninvasive rCBF. In *Cerebral Blood Flow and Metabolism Measurement*, Hartmann A, Hoyer S (Eds.). Springer Verlag, Berlin, 1985.
- Prohovnik I, Mayeux R, Sackeim HA, Stern Y, Mukherjee S, Decina P: rCBF hyperreactivity to behavior challenge in early Alzheimer's disease. *Journal of Cerebral Blood Flow and Metabolism* 5:131-132, 1985.
- Prohovnik I, Mukherjee S, Mayeux R, Sackeim HA, Kahn D, Malitz S: Principles of investigation of drug effects using cerebral blood flow. In *Biological Psychiatry 1985*, Shagass et al (Eds.). Elsevier NY, 1986.

- Prohovnik I, Sackeim HA, Decina P, KMalitz S: Effects on regional cerebral blood flow: modality and therapeutic outcome. In ECT: Clinical and Basic Research Issues. Annals of the New York Academy of Sciences, Malitz S, Sackeim HA (Eds.). 462:249-262, 1986.
- Prohovnik I, Smith G, Sackeim HA, Mayeux R, Stern Y: The early stages of Alzheimer's disease: initial studies of disease severity and cerebral blood flow. In Alzheimer's and Parkinson's Disease: Strategies for Research and Development, Fisher A et al (Eds.). Plenum NY, 1986.
- Prohovnik I, Smith G, Mayeux R, Stern Y: Regional cerebral perfusion in presenile and senile Alzheimer's disease. Annals of Neurology 20:136, 1986.
- Prohovnik I, Smith G, Sackeim HA, Stern Y, Mayeux R: Relations among indices of disease severity and rCBF in Alzheimer's disease. In Biological Psychiatry 1985, Shagass C et al (Eds.). Elsevier NY, 1986.
- Prohovnik I: Neurophysiology of ECT: discussion of part IV. In ECT: Clinical and Basic Research issues. Annals of the New York Academy of Sciences, Malitz S, Sackeim HA (Eds.). 462:232-235, 1986.
- Quitkin F, Rabkin J, Prien R: Bipolar disorder: are there manic-prone and depressive prone forms? Journal of Clinical Psychopharmacology 6:167-172, 1986.
- Quitkin F, Rabkin J, Stewart J, McGrath P, Harrison W: Study duration in antidepressant research: advantages of a 12-week trial. J of Psych Res 20:211-216, 1986.
- Quitkin F, Rabkin J, Stewart J, McGrath P, Harrison W, Davies M, Goetz R, Puig-Antich J: Sleep of atypical depressives. J of Affective Disorders 8:61-67, 1985.
- Rabkin JG, Markowitz J, Stewart J, et al.: How blind is blind? Assessment of patient and doctor medication guesses in a placebo-controlled trial of imipramine and phenelzine. Psychiatry Research 19:75-86, 1986.
- Rabkin JG, McGrath P, Stewart J, Harrison W, Markowitz J, Quitkin F: Follow-up of patients who improved during placebo washout. J of Clin Psychopharm 6:274-278, 1986.
- Rabkin J, Stewart J, Klein D: Overview on the relevance of the dexamethasone suppression test to differential diagnosis. In Proceedings, NIMH Workshop in the Clinical Utility of the Dexamethasone Suppression Test, Hirschfeld R (Ed.), Gov't Printing Off, DC, 1985.
- Rabkin JG, Markowitz J: Side effects assessment with SAFTEE: pilot study of the instrument. Psychopharmacology Bulletin 22:389-396, 1986.
- Rabkin JG, Quitkin FM, McGrath PJ, Harrison WS, Tricamo E: Adverse reactions to monoamine oxidase inhibitors: part II. Treatment correlates and clinical management. J Clin Psychopharm 5:2-9, 1985.
- Rabkin JG, Muhlin G, Cohen P: What the neighbors think: community attitudes toward local psychiatric facilities. Comm Mental Health Journal 20:304-312, 1985.
- Rapport M: Ganglioside patterns in amyotrophic lateral sclerosis. Annals of Neurology 18:60-67, 1985.
- Rayport SG, Schacher S: Synaptic plasticity in vitro: cell culture of identified aplysia neurons mediating short-term habituation and sensitization. Journal of Neuroscience 6:759-763, 1986.
- Reches A, Liu KP, Karpiak S, Fahn S, Cooper T, Suckow R, Jackson V, Tamir II: Serotonin depletion induced by reserpine is attenuated by prophylactic administration of lithium. Eur J Pharmacol 113:225-231, 1985.
- Rice J, Reich T, Andreasen N, Coryell W, Endicott J: Validity of the bipolar/unipolar dichotomy: familial evidence. In Proceedings. IVth World Congress of Biological Psychiatry, Shagass C et al (Eds.). Elsevier Science Publishing Co., 1986.
- Risch N, Stein Z, Kline J, Warburton D: The relationship between maternal age and chromosome size in autosomal trisomy. American Journal of Human Genetics 39:68-78, 1986.
- Robinson D, Cooper T, Jindal S, Corcella J, Lutz T: Metabolism and pharmacokinetics of phenelzine: lack of evidence for acetylation pathway in humans. J Clin Psychopharm 5:333-337, 1985.
- Roizin L, Cote L, Stern Y, Liu JC, Meyers J: Correlated neuropathological and biochemical studies of extra-pyramidal in MPTP rhesus monkey parkinsonism. Journal of Neuropathology and Experimental Neurology 45:360, 1986.
- Pathogenic investigations of MPTP Parkinsonisms in Rhesus (macaca mulatta) monkeys. Federation Proceedings 45:433, 1986.
- Roose SP, Glassman AH, Walsh BT, Woodring S: Tricyclic nonresponders: phenomenology and treatment. American Journal of Psychiatry 143:345-348, 1985.
- Rounsaville BJ, Spitzer RL, Williams JBW: Proposed changes in DSM-III substance use disorders: description and rationale. American Journal of Psychiatry 143:463-468, April 1986.
- Rutschmann J, Cornblatt B, Erlenmeyer-Kimling L: Sustained attention in children at risk for schizophrenia: findings with two visual continuous performance tasks in a new sample. Journal of Abnormal Child Psychology 145:365-385, 1986.
- Sackeim HA, Decina P, Prohovnik I, Portnoy S, Malitz S: Dosage, seizure threshold and efficacy. In ECT: Clinical and Basic Research Issues. Annals of the New York Academy of Sciences, Malitz S, Sackeim HA (Eds.). 462:398-410, 1986.
- Sackeim HA, Portnoy S, Neeley P, Steif B, Decina P, Malitz S: Cognitive consequences of low dosage ECT. In ECT: Clinical and Basic Research Issues. Annals of the New York Academy of Sciences, Malitz S, Sackeim HA (eds.). 462:326-340, 1986.
- Sackeim HA, Wegner A: Attributional patterns in depression and euthymia. Archives of General Psychiatry 43:553-560, 1986.
- Sackeim HA: The acute cognitive side effects of ECT. Psychopharmacology Bulletin 22:482-484, 1986.
- The efficacy of electroconvulsive therapy: discussion of part I. In ECT: Clinical and Basic Research Issues. Annals of the New York Academy of Sciences, 462:70-75, 1986.
- Salzinger K: Distinguishing among behaviors. In Contemporary Issues in Psychopathology, Millon T, Klerman J (Eds.), The Guilford Press, NY 1986.
- The president's report. The Sciences 26:57-61, 1986.
- Science: the great equalizer. Presented at III World Academy of Sciences, Italy, 1985.
- A behavioral analysis of the verbal behavior of Alzheimer's patients. Presented at the Assoc for Behavior Analysis, Ohio, 1985.
- A behavioral view of the cognitive revolution. Presented at the Assoc for Behavioral Analysis, WN, 1986.
- Cognitive problems, behavioral solutions. Presented at the Verbal Relations Conference, W Germ, 1986.
- Salzinger S, Wondolowski S, Kaplan S, Kaplan T: Spoken interaction between abused children and their mothers. American Academy of Child Psychiatry meeting, Los Angeles, CA, 1986.
- Sandberg DE, Meyer-Bahlburg HFL, Aranoff GS, Hensle TW: Gender-role behavior of boys with androgen-related genital defects. International Academy of Sex Research meeting, Seattle, WA, Sept. 1985.
- Sandberg DE, Meyer-Bahlburg HFL, Rosen TS, Johnson HL: Effect of prenatal methadone exposure on sex-dimorphic behavior in early school-age children. Conference on Reproductive Behavior, Montreal, Quebec, June 1986.

- Schacher S, Flaster MS: Formation of chemical synapses by adult aplysia neurons in vitro is facilitated by the presence of juvenile neurons. In *Progress in Brain Research*, Seil FJ, Herberg E, Carlson B (Eds.). Elsevier North-Holland, Amsterdam, 1986.
- Shaffer D, Ambrosini P: Enuresis and sleep disorders. In *Diagnosis and Psychopharmacology of Childhood and Adolescent Disorders*, Weiner JM (Ed.). John Wiley & Sons, NY 1985
- Shaffer D, Schonfeld IS, O'Connor PA, Stokman C, Trautman P, Shafer S, NG S: Neurological soft signs: their relationship to psychiatric disorder and intelligence in childhood and adolescence. *Arch of Gen Psychiatry* 42:342-351, 1985.
- Shaffer D: Developmental factors in child and adolescent suicide. In *Depression in Young People*, Rutter M et al (Ed.). The Guilford Press, NY, 1985.
- The evolution of psychiatric classification with particular reference to DSM III. Presented at conference on DSM III, Modena, Italy, December 1985.
- Learning theories of anxiety. In *Anxiety Disorders of Childhood*, Gittelman R (Ed.). The Guilford Press, NY 1986.
- Shaffer D, Bacon K: A critical review of prevention intervention efforts in suicide, with particular reference to youth suicide. Presented at conference of HHS Task force Work Group, CA, June 1986.
- Shafer SQ, Stokman CJ, Shaffer D, NG S, O'Connor PA, Schonfeld IS: Ten-year consistency of neurological test performance of children without focal neurological deficit. *Dev Med and Child neurology* 28:417-427, 1986.
- Shair H, Brake SC, Hofer MA, Myers MA: Blood pressure responses to milk-ejection in the young rat. *Physiology and Behavior* 37:171-176, 1986.
- Shrout PE, Dohrenwend BP, Levav I: A discriminant rule for screening cases of diverse diagnostic types: preliminary results. *J of Consulting and Clin Psych* 54:314-319, 1986.
- Shrout PE, Skodol AE, Dohrenwend BP: A two stage approach for case identification and diagnosis: first state instruments. In *Mental Disorders in the Community: Progress and Challenge*, Barrett JE (ed.). Guilford Press, NY, 1986.
- Silverman AJ, Hou-Yu A, Kelly DD: Permanence of changes in corticotropin releasing hormone (CRF) neurons in the rat paraventricular nucleus (PVN) in response to chronic behavioral stress. *Neuroscience Abstracts* 12:781, 1986.
- Simmons LK, Koester J: Serotonin enhances the excitatory acetylcholine response in the RB cell cluster of aplysia californica. *Journal of Neuroscience* 6:774-781, 1986.
- Simmons RC, Pardes H: The classification of the mental disorders. In *Understanding Human Behavior in Health and Illness*, Simons RC (Ed.), Williams & Wilkins, MD, 1985.
- Smith G, Prohovnik I, Mukherjee S, Mayeux R, Stern Y: The evaluation of rCBF in early Alzheimer's disease. *Journal of Clinical Experimental Neuropsychology* 7:617, 1986.
- Smith G, Prohovnik I: Cerebral perfusion in normal aging. *Society of Neuroscience Abstract* 12:1313, 1986.
- Smith TM, Perumal AS, Suckow RF, Cooper TB: Brain regional 3H-flunitrazepam binding in rats chronically treated with bupropion or BW306U. *Brain Research* 367: 385-389, 1986.
- Smith TM, Suckow RF, Cooper TB, Perumal AS: Effects of B-phenylethylamine and its metabolites at the (3H)-clonidine binding site in rat brain regions. *The Pharmacologist* 28:145, 1986.
- Spitzer RL: DSM-III-R in development. In *American Psychiatric Association*. American Psychiatric Press, Wash. D.C. August 1985.
- Spring B: Distractibility as a marker of vulnerability to schizophrenia. *Psychopharmacology Bulletin* 21:509-512, 1985.
- Stanley M, Deutsch S, Banay-Schwartz M, Peselow E, Eliazo CE: Brain glycine levels following lithium toxicity. *J of Clin Psychiatry* 46:239, 1985.
- Stanley B, Stanley M, Stein J, Guido L, Transit R: Psychopharmacologic treatment and informed consent: empirical research. *Psychopharm Bulletin* 21:110-113, 1985.
- Stanely M, Lerer B: Electroconvulsive shock and brain cholinergic function: role of striatal muscarinic receptors. *Convulsive Therapy* 1:158-166, 1985.
- Stanley M, Traskman-Bendz L, Dorovini-Zis K: Correlations between aminergic metabolites simultaneously obtained from samples of CSF and Brain. *Life Sciences* 37:1279-1286, 1985.
- Skodol AE, Shrout PE: Concordance of two methods for assessing stress. Presented at APA meeting, TX, 1985.
- Skodol AE, Shrout PE, Dohrenwend BP, Williams JBW, Gibbon M, Kass F: Community demoralization and DSM-III diagnosis. Presented at APA meeting, TX, 1985.
- Skodol AE, Link BG, Shrout PE, Horwath E: Validity for DSM-III Axis V. Presented at APA meeting, DC, 1986.
- Stanley B, Traskman-Bendz L, Stanley M: The suicide assessment scale: a scale evaluating change in suicidal behavior. *Psychopharm Bulletin* 22:200-205, 1986.
- Stanley M, Stanley B, Traskman-Bendz I, Mann JJ, Meyendorff E: Neurochemical findings in suicide completers and suicide attempters. In *Biological Aspects of Suicide*, Maris R (Ed.) The Guilford Press, NY, 1986.
- Stanley M, Kann JJ, Cohen L: Role of the serotonergic system in the postmortem analysis of suicide. *Psychopharm Bulletin* 1986.
- Stein Z, Belmont L, Durkin M: Screening for prevalence of severe mental retardation in developing countries: use of the data. *World Psych Assoc meeting*, Scotland, Sept. 1985.
- Mild mental retardation and severe mental retardation compared: experiences in five less developed countries. *European Symposium on Scientific Studies in Mental Retardation*, Uppsala, Sweden, June 1986.
- Stewart J et al: DSM III depressive subtypes. *Archives of General Psychiatry*, Vol. 42, December 1985.
- Stokman CJ, Shafer SQ, Shaffer D, NG S, O'Connor PA, Wolff RM: Assessment of neurological soft signs in adolescents: reliability studies. *Dev Med and Child Neur* 28:428-439, 1986
- Strobino B, Fox H, Kline J, Stein Z, Susser M, Warburton D: Characteristics of women with recurrent spontaneous abortions and women with favorable reproductive histories. *American Journal of Public Health* 76:986-991, 1986.
- Strobino B, Kline J, Lai A, Stein Z, Susser M, Warburton D: Vaginal spermicides and spontaneous abortion of known karyotype. *American Journal of Epidemiology* 123:431-443, 1986.
- Strobino B, Kline J, Levin B, Stein Z, Susser M, Warburton D: Vaginal spermicides and spontaneous abortion. *American Journal of Epidemiology* 123:431-443, 1986.
- Struening EL, Barrow S: An assessment of the needs of men residing in New York City shelters for the homeless. In *Proceedings of the VIII Annual MSIS National Users Conference*, Diblasi J et al (Eds.). Nathan S. Kline Institute, 1985.
- Suckow RF, Smith TM, Perumal AS, Cooper TB: Pharmacokinetics of bupropion and metabolites in plasma and brain of rats, mice and guinea-pigs. *Drug metabolism and disposition* 14, 1986.
- Pharmacokinetics of bupropion and metabolites in plasma and brain of rats, mice and guinea-pig. *The Pharmacologist* 28:119, 1986.
- Sutton S, Jasiukaitis S, Bruder GE, Towey J: Event-related potential asymmetry for temporal and spatial discrimination. Paper presented at the Eastern Psychological Association Meetings, NY, April 1986.

- Terman M, Terman JS, Quitkin FM: Light therapy for seasonal affective disorder. American Psychiatric Association meetings, Wash. DC, 1986.
- Terman M: The photic environment and physiological time-keeping. International Daylighting Conference, Proceedings I, Long Beach, CA, pp 356, 1986.
- Urselkl P, Byrne J, Strobino B: Significance of cardiac defects in the developing fetus: a study of spontaneous abortuses. *Circulation* 72:1232-1236, 1985.
- Vilim F, Mahakik SP, Laev H, Rapport MM, Karpiak SE: Convulsive activity induced by monoclonal antibodies to GM1 ganglioside. *Epilepsia* 26:519, 1985.
- Walsh B, Lindy D, Lo E-S, Cooper T, Roose S, Gladis M, Bantzic S, Glasman A: Plasma dexamethasone levels and the DST in bulimia. Presented at APA meeting, DC, May 1986.
- Walsh B, Goetz R, ROose S, Fingerioth S, Glassman A: EEG monitored sleep in anorexia nervosa and bulimia. *Bio Psych* 20:947-956, 1985.
- Walsh BT: Mediation in the treatment of blimia. In *Adolescent Psychiatry Vol. 13*, Feinstein SC et al (Eds.), Univ of Chicago Press, ILL, 1986.
- Warburton D, Kline J, Stein Z, Strobino B: Cytogenetic abnormalities in spontaneous abortions of recognized conceptions. In *Perinatal Genetics: Diagnosis and Treatment*, Porter IH, Hatcher NH, Willey AM (Eds.). Academic Press, NY, 1986.
- Wasserman G, Allen R: Maternal withdrawal from handicapped toddlers. *Journal of Child Psychology and Psychiatry* 26:381-387, 1985.
- Wasserman G: Affective expression in handicapped infants. *JAACP* 25:393-399, 1986.
- Weiss KR, Chiel HJ, Kupfermann I: Sensory function and gating of histaminergic neuron C2 in aplysia. *Journal of Neurophysiology* 6:2416-2426, 1986b.
- Weiss KR, Kupfermann I: Activity of an identified histaminergic neuron, and its possible role in arousal of feeding behavior in semi-intact aplysia. *Journal of neuroscience* 6:2403-2415, 1986.
- Weiss KR, Lloyd PE, Cropper EC, Frankfurt M, Kupfermann I: FMRFamide is present in the arc muscle of aplysia and depresses its contractions. *Society for Neuroscience Abstract* 12:947, 1986.
- Weiss KR, Shapiro E, Kupfermann I: Modulatory synaptic actions of an identified histaminergic neuron on the serotonergic metacerebral cell of aplysia. *Journal of Neuroscience* 6:2393-2402, 1986a.
- Wharton RN, Clark WC, Yang JC: Pain amplifications as a response to certain types of persistent pain. American Pain Society, Dallas, TX, Oct 1985.
- Whitaker A, Davies M, Shaffer, D, Walsh T, Kalikow K: Eating disorders in adolescents: an epidemiological study. *Amer Acad of Child Psychiatry*, Oct. 1985.
- Wilder DE, Sclar ED: Implementing needs assessments for housing and services in rural areas. National Council on Aging meeting, NY, April 1986.
- Aging in place in a rural/semi urban setting: the orange county study. The Invitational Symposium on Elderly Housing, NY, Jan. 1986.
- Williams JBW: DSM-III-R: What's all the fuss about? *Hospital and Community Psychiatry* 37:549-550, June 1986.
- Williams HBW, Spitzer RL, Skodol AE: DSM III in residency training: results of a national survey. *Am J Psychiatry* 142:755-758, 1985.
- Willson NJ, Pierson DJ, Kogan MK, Senn DJ: Compariosn of Abbott IIA and SYVA EMIT assays for the measurement of carbamazepine in serum. *Clin Chemistry* 32:1071, 1986.
- Yang JC, Clark WC: Psychological distress in patients suffering chronic pain, surgical candidates, and healthy volunteers. American Pain Society, Dallas, TX, Oct 1985.
- Yudofsky S, Silver J, Jackson W, Endicott J, William D: Overt aggression scale for the objective rating of verbal and physical aggression. *American Journal of Psychiatry* 143:35-39, 1986.

- Amols HI, Kliauga P: Microdosimetry of 10-18 MeV electrons and photons using walled and wallless detectors. *Rad Prot Dos* 13:365-368, 1985.
- Amols HI, Lagueur B: Errors in wedged field isodose distributions. *Med Phys* 13:270, 1986.
- Amols HI, Lagueur B, Cagna D: RBE of megavoltage x-ray and electron beams in radiotherapy. *Radiat Res* 105:58-67, 1986.
- Biaglow JE, Varnes ME, Roizin-Towle L, Clark EP, Epp ER, Astro MB, Hall EJ: Biochemistry of reduction of nitroheterocycles. *Biochem Pharm* 35:77-90, 1986.
- Bleehen NM, Cox JD: Radiotherapy for lung cancer. *Int J Radiation Oncology, Biol, Phys* 11:1001-1007, 1985.
- Borek C: The Role of Nutritional Factors in Cellular Protection Against DNA Damage, Altered Gene Expression and Malignant Transformation. In: *Mechanisms of DNA Damage and Repair*. Simic M, Grossman L, Upton AC (eds), Plenum Press, New York, pp 557-562, 1986.
- Hormones and Dietary Factors Controlling Gene Activation and Expression in Carcinogenesis. In: *Mechanisms of Antimutagenesis and Anticarcinogenesis*. Shankel DM, Hartman PE, Kada T, Hollaender (eds), Plenum Press, New York, pp 399-408, 1986.
- Oncogene activation and gene expression in the initiation and promotion of transformation in vitro. *Int J Radiat Biol* 49:527-528, 1986.
- Borek C, Cleaver JE: Antagonistic action of a tumor promoter and a poly (adenosine diphosphoribose) synthesis inhibitor in radiation-induced transformation in vitro. *Biochem and Biophysical Res Comm* 134:1334-1341, 1986.
- Borek C, Ong A, Mason H, Donahue L, Biaglow JE: Selenium and vitamin E inhibit radiogenic and chemically induced transformation in vitro via different mechanisms of action. *Proc Natl Acad of Sci (USA)* 83:1490-1494, 1986.
- Borek C, Ong A, Muto Y: Inhibition of radiogenic and chemically induced transformation in C3H 10T1/2 cells by a polyprenic acid (E-5166). *Jap J Cancer Res (GANN)* 77:5-8, 1986.
- Borek C, Zaider M, Ong A, Mason H, Witz G: Ozone acts alone and synergistically with ionizing radiation to induce in vitro neoplastic transformation. *Carcinogenesis* 7:1611-1613, 1986.
- Byhardt RW, Cox JD, Komaki R: Squamous, large cell, and adenocarcinoma of the lung: Contribution of radiation therapy. In: *Comprehensive Textbook of Oncology*, Moose AR, Robson M, Schimpff S, eds., Williams and Wilkins Publishing Co., Baltimore, pp 744-751, 1986.
- Cleaver JE, Banda M, Troll W, Borek C: Some protease inhibitors are also inhibitors of poly (ADP-ribose) polymerase. *Carcinogenesis* 7:323-325, 1986.
- Cox JD: Current role of radiation therapy for inoperable carcinoma of the lung. In: *A Categorical Course in Radiation Therapy: Lung Cancer*. Cox JD, ed., Radiological Society of North American, Inc., Oak Brook, pp 55-62, 1985.
- Cox JD: Fractionation: dose-time considerations in the management of carcinoma of the upper aerodigestive tract. In: *Head and Neck Cancer Vol 1*, Chretien P, Johns ME, Sheed DP, Strong EW, Ward PH, eds., CV Mosby Company, St. Louis, pp 334-338, 1985.
- Importance of endpoints in determining effectiveness of thoracic irradiation for small cell carcinoma of the lung. *Cancer Treat Symp* 2:31-34, 1985.
- Large dose fractionation (hypofractionation). In: *Proceedings of National Conference on Radiation Oncology*. Cancer 55 (Suppl): 2105-2111, 1985.
- (ed) *Lung Cancer: A Categorical Course in Radiation Therapy*. Radiol Soc of North America, Inc., Oak Brook, p 112, 1985.
- Management of clinically occult (N0) cervical lymph node metastases by radiation therapy. In: *Head and Neck Cancer, Vol 1*, Chretien P, Johns ME, Sheed DP, Strong EW, Ward PH, eds., CV Mosby Company, St. Louis, pp 151-155, 1985.
- Non-small cell lung cancer: role of radiation therapy. *Chest* 89 (Suppl): 2845-2885, 1986.
- Planned combination therapy.—Resection and irradiation In: *Proceedings of 71st Annual Clinical Congress, American College of Surgeons*, pp 23-27, 1985.
- Primary lung cancer In: *Conn's Current Therapy*, 37th Edition, Rakel RE, ed., WB Saunders Company, Philadelphia, pp 106-109, 1985.
- Primary therapy for cancer of the lung. In: *Current Therapy in Hematology/Oncology*, Brain M, Carbone PP, eds., BC Becker, Inc., Ontario, Canada, pp 190-193, 1985.
- Treatment of cancer of the lung. *Wisconsin Med J* 85(7):16-17, 1986.
- Cox JD, Barber-Derus S, Hartz AJ, Fischer M, Byhardt RW, Komaki R, Wilson JF, Greenberg M: Is adenocarcinoma/large cell carcinoma the most radiocurable type of cancer of the lung? *Int J Radiation Oncology Bio Phys* 12:1801-1805, 1986.
- Cox JD, Byhardt RW, Wilson JF, Haas JS, Komaki R, Olson LE: Complications of radiation therapy and factors in their prevention. *World Surg* 10:171-188, 1986.
- Cox JD, Komaki R, Byhardt RW: Radiotherapy for "non-small cell" cancer of the lung. In: *Contemporary Issues in Clinical Oncology*, Aisner J, Wiernick PH, eds., Churchill Livingstone, New York pp 131-154, 1985.
- Cox JD, Pittman DD, del Regato JA: Training in therapeutic radiology in the United States, 1984. *Int J Radiation Oncology Biol Phys* 11:1045-1051, 1985.
- Cox JD, Samson MK, Hershovic AM, Abrams R, Koehler M: Cisplatin and etoposide before definitive radiation therapy for inoperable squamous carcinoma, adenocarcinoma, and large cell carcinoma of the lung: A phase I-II study of the Radiation Therapy Oncology Group. *Cancer Treat Rep* 70:1219-1220, 1986.
- del Regato JA, Spjut HJ, Cox JD: *Ackerman and del Regato's Cancer: Diagnosis, Treatment and Prognosis*. Sixth Edition. CV Mosby Company, St. Louis, 1985.
- Geard CR, Georgsson MA: Glutathione levels and cytotoxicity of a thiol activated alkylating agent in human and mouse cells. *Int J Radiation Oncology Biol Phys* 12:1179-1182, 1986.
- Gerweck LG, Biaglow JE, Issels R, Varnes ME, Roizin-Towle L: Mechanisms of thiol reactions with oxygen: Implications of hyperthermia and radiation therapies. In: *Advancements in Experimental Medicine, (Vol II) Oxygen Transport to Tissues*, Bruley B, Bicher H, Reneau D (eds), Pelham Press, New York, pp 269-280, 1985.
- Gillin MT, Kline RW, Komaki R, Greenberg M: Correlation of treatment volume with milligram-hours for intracavitary applications for carcinoma of the cervix. *Int J Radiation Oncology Biol Phys* 11:1407-1412, 1985.
- Hall EJ: Chairman's summary of session C. *Biochem Pharmacology* 35:95-96, 1986.
- The contribution of in vitro cell transformation to the problems of carcinogenesis. *Int J Radiation Biol* 49:509, 1986.
- Radiation Carcinogenesis. In: *Physics in Medicine & Biology Encyclopedia*, McAnish TF (ed), Pergamon Press, Great Britain, 1986.
- Hall EJ, Hei TK: Facing fearful odds—a conference summary. *Int J Radiation Oncology Biol Phys* 12:1023-1026, 1986.
- Oncogenic transformation of cells in culture: Pragmatic comparisons of oncogenicity, cellular and molecular mechanisms. *Int J Radiation Oncology Biol Phys* 12:1909-1921, 1986.

- The effects of bioreduction on the oncogenicity of nitromidazole. *Biochem Pharmacology* 35:93-94, 1986.
- Hall EJ, Marchese MJ, Astor M, Morse TM: Response of cells of human origin, normal and malignant, to acute and low dose rate irradiation. *Int J Radiation Oncology Biol Phys* 12:655-660, 1986.
- Hei TK, Hall EJ, Kushner S, Osmak O: Hyperthermia, chemotherapeutic agents and oncogenic transformation. *Int J Hyperthermia* 2:311-320, 1986.
- Holoye PY, Libnoch JA, Anderson T, Cox JD, Byhardt RW, Hoffman RG: Combined methotrexate and high dose vincristine with radiation therapy for small cell bronchogenic carcinoma. *Cancer* 55:1436-1445, 1985.
- Kliuga P, Amols HI, Lindborg L, Rossi H: Microdosimetry of pulsed radiation fields employing the variance technique. *Radiat Res* 105:129-137, 1986.
- Komaki R: Management of superior sulcus tumors: 15th Annual Radiation Therapy Clinical Research Seminar, University of Florida, Gainesville, April 18-28, pp 69-76, 1985.
- Preoperative and postoperative irradiation for cancer of the lung. *J Belge De Radiologie* 68:195-198, 1985.
- Prophylactic cranial irradiation for small cell carcinoma of the lung. *Cancer Treat Symp* 2:35-39, 1985.
- Komaki R, Byhardt RW, Anderston T, Libnoch JA, Cox JD, Hansen R, Holoye PY: What is the lowest effective biologic dose for prophylactic cranial irradiation? *Am J Clin Oncol (CCT)* 8:523-527, 1985.
- Komaki R, Cox JD, Hartz AJ, Byhardt RW, Perez-Tamayo C, Clowry LJ, Choi H, Wilson JF, Lopes da Conceicao A, Rangala N: Characteristics of long-term survivors after treatment for inoperable carcinoma of the lung. *Am J Clin Oncol (CCT)*, 8:362-370, 1985.
- Komaki R, Cox JD, Hartz AJ, Wilson JF, Mattingly R: Prognostic significance of interval from preoperative irradiation to hysterectomy for endometrial carcinoma. *Cancer* 58:873-879, 1986.
- Kun LE, Toohill RJ, Holoye PY, Duncavage JA, Byhardt RW, Rich PS, Grossman TW, Hoffmann RG, Cox JD, Malin TA: A randomized study of adjuvant chemotherapy for cancer of the upper aerodigestive tract. *Int J Radiation Oncology Biol Phys* 12:173-178, 1986.
- Lagueux BJ, Amols HI: Make your science fair fairer. *The Science Teacher* 2:24-28, 1986.
- Lawton CA, Glisch C, Byhardt RW, Sehring S, Harty A, Cox JD: Extended field radiation therapy for prostatic carcinoma with para-aortic lymph node metastasis. *Am J Clin Oncol (CCT)* 9:302-306, 1986.
- Liskow A, Chang CH, DeSanctis P, et al: Epidural cord compression in association with genitourinary neoplasms. *Cancer* 58:129-134, 1986.
- Marchese MJ: Potentially lethal damage repair in normal and malignant human cells. *Int J Radiation Oncology Biol Phys* 11 (Suppl): 192, 1985.
- A study of the relative biological effectiveness of encapsulated iodine-125 x-ray using normal and malignant human cell lines. *Int J Radiation Oncology Biol Phys* 11(Suppl)192, 1985.
- Marchese MJ, Chang CH: Malignant gliomas in children. *Am J Clin Oncol* 9:102, 1986.
- Marchese MJ, Hall EJ, Hilaris BS: Clinical, physical and radiobiological aspects of encapsulated iodine-125. *Endocurietherapy/Hyperthermia Oncology* 1:67-82, 1985.
- Marchese MJ, Liskow AS, Chang CH: Radiation therapy associated cancer of the esophagus. *NY State J Med* 86:152-153, 1986.
- Marchese MJ, Minarik L, Hall EJ, Zaider M: Potentially lethal damage repair in cell lines of radioresistant human malignant tumor origin and normal fibroblasts. *Int J Radiat Biol* 48:431-439, 1985.
- Marchese MJ, Zaider M, Hall EJ: Radiation dose effects in normal and malignant human cells. *Proceedings of the Radiation Research Society* 130, 1986.
- Mauch P, Goffman T, Rosenthal DS, Canellos GP, Come SE, Hellman S: Stage III Hodgkin's disease: Improved survival with combined modality therapy as compared with radiation therapy alone. *J Clin Onc* 3:1166-1173, 1985.
- Mohan R, Ding IV, Martel MK, Anderson LL, Nori D: Measurement of radiation dose distribution for shielded cervical applicator. *Int J Radiation Oncology Biol Phys* 11:861-868, 1985.
- Nelson DF, Nelson JS, Davis DR, Chang CH, Griffin TW, Pajak TF: Survival and prognosis of patients with astrocytoma with atypical or anaplastic features. *J Neuro-Oncol* 3:99-104, 1985.
- Nikoloff EL, Riley R: A simplified approach for modulation transfer function determinations in computed tomography. *Med Phys* 12(4):437-442, 1985.
- Niroomand-Rad A, Gillin MT, Komaki R, Kline RW, Grimm DF: Dose distribution in total skin electron beam irradiation using the six-field technique. *Int J Radiation Oncology Biol Phys* 12:415-419, 1986.
- Norlund JD, Byhardt RW, Foley WD, Unger GF, Cox JD: Computed tomography in the staging of small cell lung cancer: Implications for combined modality therapy. *Int J Radiation Oncology, Biol Phys* 11:1081-1084, 1985.
- Olson LE, Wilson JF, Cox JD: Cutaneous lymphoid hyperplasia: Results of radiation therapy. *Radiology* 155:507-509, 1985.
- Petrovich Z, Cox JD, Middletown R, Ohanian M, Paig C, Jepson J: Advanced carcinoma of the nasopharynx. 2. Patterns of failure in 256 patients. *Radiotherapy and oncology* 4:15-20, 1985.
- Riley RJ: Panel presentation, In: Review of Dose Assessment Series, Proceedings of the Workshop on Three Mile Island Dosimetry, Goldberg JF, Three Mile Island Public Health Fund, Philadelphia, pp 156-160, 1985.
- Roizin-Towle L: Thiol depletion can selectively enhance melphalan toxicity: In vitro studies with hypoxic cell sensitizers and buthionine sulfoximine. *J Natl Cancer Inst* 74:151-157, 1985.
- Salazar AM, Rubin P, Henrickson FR, Komaki R, Poulter C, Newall J, Asbell SO, Mohiuddin M, VanEss J: Single-dose half-body irradiation for palliation of multiple bone metastases from solid tumors: Final RTOG report. *Cancer* 58:29-36, 1986.
- Seydel HG, Diener-West M, Urtason R, Podolsky WJ, Cox JD, Zininger M, Francis ME: Hyperfractionation in the radiation therapy of unresectable non-oat cell carcinoma of the lung: Preliminary report of a RTOG pilot study. *Int J Radiation Oncology Biol Phys* 11:1841-1847, 1985.
- Sherr DL, Fountain KS, Kalb RE: Cutaneous metastases from chondrosarcoma. *J Dermatol Surg Oncol* 12:146-149, 1986.
- Sherr DL, Fountain KS, Piro JD: Chondrosarcoma metastatic to the oral cavity. *Oral Surg Oral Med Oral Path* 59:622-626, 1985.
- Zaider M, Brenner DJ: The evaluation of a specific quality function for mutation in human fibroblasts. *Radiat Prot Dos* 15:79-82, 1986.

- Abramson SJ, Berdon WE, Reilly BJ, Kuhn JP: Cavitation of Anterior Mediastinal Masses in Children with Histiocytosis-X. *Ped Rad* 17: 1986.
- Alderson PO, Siegel BA: Adverse reactions following In-111 DTPA cisternography. *J Nucl Med* 14:609-611, 1973.
- Anderson PO, Secker-Walker RH, Strominger DB, McAllister WH, Hill RL, Markham J: Quantitative assessment of regional ventilation and perfusion in children with cystic fibrosis. *Radiology* 111:151-155, 1987.
- Alderson PO, Secker-Walker RH, Strominger DB, Markham J, Hill RL: Pulmonary deposition of aerosols in children with cystic fibrosis. *J Pediatr* 84:479-484, 1974.
- Alderson PO, Secker-Walker RH, Forrest JV: Detection of obstructive pulmonary disease. Relative sensitivity of ventilation-perfusion studies and chest radiography. *Radiology* 112:643-648, 1974.
- Alderson PO, Biello DR: Radionuclide studies of the pulmonary vasculature. In Taveras JM, Ferrucci JT, *Radiology: Diagnosis, Imaging and Intervention*, Lippincott, Phila., Vol. 2, Chapter 72, pp 1-15, 1986.
- Alderson PO: Lung Imaging. In Syllabus: A Categorical Course in Nuclear Medicine, Pinsky SM, Ed., Radiological Soc of No America, Chicago, 1985, pp 67-74.
Radionuclide Imaging in the Mid-1980's and Beyond. In Syllabus: A Categorical Course in Nuclear Medicine, Pinsky SM, Ed., Radiological Soc. of No. America, Chicago, 1985, pp. 225-232.
Evaluation of pulmonary function with radionuclides: Clinical applications. In Proto AV, Ed., Categorical Course in Chest Radiology, American Roentgen Ray Society, Boston, 1986, pp 91-95.
Editorial—Radionuclide studies of inflammatory disease in the chest and abdomen. *Curr Concepts Diag Nuc Med* 2:2-3, 1986.
- Amodio J, Abramson S, Berdon W: Primary Pulmonary Tuberculosis in Infancy-A Resurgent Disease in Urban United States. *Ped Rad* 16:185-189, May 1986.
- Amodio JB, Berdon WE, Abramson SJ, K Sang Oh, Oudjhane K, Wung JT: Retrocardiac Pneumomediastinum in Association with Tracheal and Esophageal Perforations. *Ped Rad* 16:380-383, July 1986.
- Amodio J, Berdon W, Abramson S, Stolar C: Microcolon of Prematurity: A Form of Functional Obstruction. *Amer J Roent* 146:239-244, Feb. 1986.
- Berdon WE: Current Concepts in the Management of Neonatal ICU Patients with Pulmonary Hypertension on Localized Barotrauma. *Radiology* 158:493-497, Feb. 1986.
Editorial on Radiographic Features of Appendiceal Colic in Children. *Ped Rad* 16:392, July 1986.
Editorial on A Review of the Ultrasonic Appearances of Posterior Urethral Valve and Ureteroceles. *Ped Rad* 16:357, July 1986.
- Bigliani LU, Feldman F, Singson RD, Rosenberg ZS, Flatow E, Morrison DS: Double Contrast CT Arthrography in Shoulder Instability: Proceedings Third International Conference on Surgery of the Shoulder, 1986, 36-37.
- Ehrlich M, Bierman FZ, Ellis K, Gersony W: "Hypoplastic Left Heart Syndrome: Report of a Unique Survivor." *Journal of the American College of Radiology* 7:361-365, 1986.
- Ellis K: Radiographic Characteristics of Valve Prosthesis Dysfunction. *ACTA Cardiologica Sinica Special Issue—1985 Year of the Rheumatic Child—Proceedings of the International Conference on Rheumatic Fever and Rheumatic Heart Diseases*. Edited by: HC Lue, S Kawakita, SH Chu, and M Okuni.
Use of Angiocardiology in Myocardopathy. *Radiology: Diagnosis, Imaging and Intervention*, Chapter 54. Edited by: Taveras JM, Ferrucci JT J.B. Lippincott Company, Philadelphia, 1986.
- Use of Chest Film in Myocardopathy. *Radiology*, Chapter 51. Edited by: Taveras JM, Ferrucci JT. J.B. Lippincott Company, Philadelphia 1986.
- Feldman F: The Radiology of Total Shoulder Prostheses. *Seminars in Roentgenology* Vol. XXI, No. 1, pp 47-65, January 1986.
Soft Tissue Mineralization—Roentgen Analysis—Monograph Diagnostic Radiology Monograph Series Vol. XV, No. 3, pp 161-240, May/June 1986, Yr. Book Medical Publishers Inc. Chicago, IL.
Hemophilia, Chapter 71, pp 1-15 in *Radiology: Diagnosis, Imaging & Intervention*. Edited by JM Taveras & JT Ferrucci, Jr., J.B. Lippincott Co. Philadelphia, PA 1986.
The Myeloproliferative Disorders Chapter 70, pp 1-15, In *Radiology: Diagnosis, Imaging, & Intervention*. Edited by JM Taveras & JT Ferrucci, Jr., 1986.
Chondroblastoma & Chondromyxoid Fibroma. Chapt. 79, pp 1-14 In *Radiology: Diagnosis, Imaging & Intervention* 1986. Edited by JM Taveras & JT Ferrucci, Jr.
Tuberous Sclerosis, Neurofibromatosis & Fibrous Dysplasia. In *Diagnosis of Bone & Joint Disorders* edited by Resnick D, Niwayama G. WB Sanders & Company, Philadelphia, PA, 1986.
- Ferrucci J and Newhouse JH: (eds) General Abdomen. In: Taveras J and Ferrucci J. *Radiology: Diagnosis/Imaging/Intervention*. J.B. Lippincott Co., Philadelphia, PA, 1986.
- Flanagan TA, Goodwin DW, Alderson PO: Psychiatric illness in a large family with familial hyperparathyroidism. *Brit J Psych* 117:693-698, 1970.
- Getradjman GI, O'Toole K, Legerfo P, Laffey K, Martin EC: Transcatheter Sclerosis of the Gallbladder in Rabbits-A Preliminary Study. *Invest Radiol* 1985; 20:393-398.
- Getradjman GI, O'Toole K, Laffey KJ, Martin EC: Common Duct Occlusion and Transcatheter Sclerosis of the Gallbladder in the Rabbit. *Intervent Radiol* 21:400-403, 1986.
- Goodwin DW, Alderson PO, Rosenthal R: Clinical significance of hallucinations in psychiatric disorders: a study of 116 hallucinatory patients. *Arch Gen Psych* 24:76-80, 1971.
- Grant DC, et al: Sonography in Transitional Cell Carcinoma of the Renal Pelvis. *Urol Radiol* 8:1-5 (1986).
- Laffey KJ, Thomashaw B, Jaretski A III, Martin EC: Systemic Supply to a Pulmonary Arteriovenous Malformation. *Amer Journ Radiologists* 145:720-722, 1985.
- Laffey KJ, Martin EC: Percutaneous Removal of Large Gallstones, *Gastroint Radiol* 11:165-8 (1986).
- Lefkowitz J, Martin EC: Primary Sclerosing Cholangitis in Progress in Liver Diseases VIII 1986. Grune & Stratton 1986.
- Martin EC, Laffey KJ: Percutaneous Drainage of Postoperative Abdominal Abscesses, *Seminars in Interventional Radiology* 2:304-314, 1985.
- Martin EC, Laffey KJ: Recent Advances in the Management of Biliary Disease. In: *Diagnostic Radiology* Ed. Margulis AR, Gooding CA. Grune & Stratton 1986.
Interventional Radiology in the Urinary Tract. In: *Diagnostic Radiology*. Ed. Margulis AR, Gooding CA. Grune & Stratton 1986.
Percutaneous Drainage of Abscesses. In: *Diagnostic Radiology*. Ed. Margulis AR, Gooding CA. Grune & Stratton 1986.
- Martin EC: Percutaneous Abscess Drainage. *Percutaneous Biopsies* Eds. Castaneda WR. 1986.
- Newhouse JH: Acute and Chronic Upper Tract Obstruction. In: Taveras J and Ferrucci J. (eds) *Radiology: Diagnosis/Imaging/Intervention*. Lippincott, Philadelphia (In Press).
- Newhouse JH, Grant DC: Transitional Cell Carcinoma. In: Taveras J and Ferrucci J (eds) *Radiology: Diagnosis/Imaging/Intervention*. Lippincott, Philadelphia (In Press).

- Newhouse JH, Markisz JA, Kazam E: Magnetic Resonance Imaging of the Kidneys. *Cardiovas Intervent Radiol* 8:351-366, 1986.
- Newhouse, JH (ed) MRI of the Urinary Tract. *Urol Radiol* 8, No. 3:1-174, 1986.
- Newhouse JH: (ed) Urologic Radiology in: Taveras J and Ferrucci J (eds) *Radiology: Diagnosis/Imaging/Intervention*, J.B. Lippincott Co., Philadelphia, PA. 1986.
- Newhouse JH: Pulse Sequences and Image Contrast in Urinary Tract MRI. *Urol Radiol* 8, No. 3:120-126, 1986.
- Reviewer's Comments on Gonzalez R. and Chiou RK. The Diagnosis of Upper Urinary Tract Obstruction in Children: Comparison of Diuresis Renography and Pressure Flow Studies. *Invest Radiol*, 20:883-884, 1986.
- Nichols AB, Brown C, Han J, Nickoloff EL, and Esser PD: Effect of Coronary Stenotic Lesions on Regional Myocardial Blood Flow at Rest. *Circulation*, Vol. 74, No. 4, pp 746-757, October 1986.
- Nickoloff E, Atherton J, Donnelly E, and Eve L: Non-Invasive MA Measurement, *Med Phys*, Vol. B, No. 4, p 573, July/August 1985.
- Nickoloff E: Design Considerations for New Diagnostic Radiology Rooms, *Med Phys Vol. 12*, No. 4, p 498, July/August 1985.
- Design Considerations for Diagnostic Radiology Rooms, *Applied Radiology Vol. 15*, No. 5, pp 23-29, Sept/Oct 1986.
- Nickoloff E, and Donnelly E: Use of Dry Wall for Shielding of Mammographic Installations, *Med. Phys*, Vol. 13, No. 4, p. 608, July/August 1986.
- Nickoloff E, and Feldman F: Clinical Comparison of Dual Energy and Single Energy CT for Bone Mineral Analysis, *Radiology* 157 (p), P339, November 1985.
- Bone Mineral Assessment with Dual Energy Computerized Tomography (CT) Imaging, *Proceedings of Society of Photo-optical Instrumentation Engineers, Medical Imaging and Instrumentation '85*, Vol. 555, pp 178-187. 1985.
- Clinical Comparison of Dual Energy CT & Single Energy CT for Bone Mineral Analysis. *Radiology* 157:339, November 1985.
- Nickoloff EI, and Riley R: A Simplified Approach for Modulation Transfer Function Determinations in Computer Tomography, *Med Phys Vol. 12*, No. 4, pp 437-442, July/August 1985.
- Piomelli S, Poh-Fitzpatrick MB, Seaman C, Skolnick L, Berdon WE: Complete Suppression of the Symptoms of Congenital Erythropoietic Prophyria by Long Term Treatment with High Level Transfusions. *New Eng. J. Med.* 314:1029-1031, April 1986.
- Premkumar A, et al. Computed Tomography and Ultrasound of Advanced Urinary Tract Tuberculosis. *AJR* (In Press).
- Riley R, Donnelly E, Martel M, and Nickoloff E: A Dual Door Design for Shielding a High Energy Linear Accelerator, *Med Phys Vol. 12*, No. 4, pp 520, July/August 1985.
- Romney B, Nickoloff E, Esser P, and Alderson P: Guidelines for the administration of Radionuclides to Nursing Mothers, *Radiology* 157 (P), pp 97, November 1985.
- Radionuclide Administration to Nursing Mothers: Mathematically Derived Guidelines, *Radiology Vol. 160*, No. 2, pp 549-554, August 1986.
- Rosenberg ZS Feldman F, Singson RD: Peroneal Tendon Injuries—CT Analysis, *Radiology* 161, No. 3 pp 743-748.
- CT of Calcaneal Fractures—Analysis & Classification, *Skeletal Radiol*, December 1986.
- Secker-Walker RH, Barbier J, Wiener SM, Alderson PO: A simple xenon-133 delivery system for studies of regional ventilation. *J Nucl Med* 15:288-290, 1974.
- Secker-Walker RH, Alderson PO, Wilhelm J, Hill RL, Markham J, Kinzie J: Ventilation-perfusion scanning in carcinoma of the bronchus. *Chest* 65:660-663, 1974.
- Secker-Walker RH, Alderson PO, Hill RL, Potchen EJ: Transmission scanning in the measurement of regional ventilation: A comparison with xenon-133. *Radiology* 112:109-114, 1974.
- Secker-Walker RH, Hill RL, Markham J, Baker J, Wilhelm J, Alderson PO, Potchen EJ: The measurement of regional ventilation in man; a new method of quantification. *J Nucl Med* 14:725-732, 1973.
- Seldin DW, Heiken JP, Feldman F, and Alderson PO: Effect of Soft Tissue Pathology on Detection of Pedal Osteomyelitis in Diabetics. *J Nuc Med* 26:988-993, 1985.
- Singson RD, Berdon WE, Feldman F, Denton JR, Abramson SJ, Baker DH: "Missing" femoral Condyle: An Unusual Sequela to Neonatal Osteomyelitis and Septic Arthritis. *Radiol* 121:359-361, 1986.
- Singson RD, Feldman F, Rosenberg ZS: Elbow Joint Assessment with Double Contrast CT Arthrography. *Radiol* 160:167-173, 1986.
- Smith R, Ellis K, Alderson P: Role of Chest Radiography in Predicting the Extent of Airway Disease in Patients with Suspected Pulmonary Embolism. *Radiol* 159:391-394, 1986.

- Bruer A, Myers S, Zimmerman J, Goodman R: Infusion of intrathecal morphine in the treatment of reflex sympathetic dystrophy. Archives PM&R 67:682, 1986.
- Gonzalez E, Hutnick G: Prosthetic management of the non-standard lower limb amputee. Archives PM&R 66:538, 1985 (Abs)
- Gonzalez E, Hajdu M, Keim H, Bruno R, Brand L: Lumbar spinal stenosis: analysis of pre and post-operative sematosensory evoked potentials. Archives of PM&R 66: pp11-15, 1985.
- Gruskin A, Romano M, Canale M, Gonzalez E: Evaluation of peripheral nerves after pneumatic tourniquet compression using nerve conduction and somatosensory evoked potential. Archives PM&R 66:539, 1985 (Abs)
- Hajdu M, Bruno R, Gonzalez E, Keim H: Relative stability of cortical, brainstem and spinal somatosensory evoked potentials during spinal cord monitoring. Archives PM&R 66:540, 1985 (Abs)
- Hajdu M, Bruno R, Gonzalez E, Michelson C, Hysni L: Somatosensory evoked potential as a diagnostic tool in chronic low back pain syndrome. Archives PM&R 66: 540, 1985 (Abs)
- Hajdu M, Gonzalez E, Keim H, Alonso J, Michelsen CB: Somatosensory evoked potentials as an intraoperative measure of lumbar nerve root decompression. Archives PM&R 67:618, 1986 (Abs)
- Keim H, Hajdu M, Gonzalez, E: Somatosensory evoked potentials as a diagnostic aid in the diagnosis and intraoperative management of spinal stenosis. Spine 10:338-344, 1985.
- Kremzner Lt, Teitelbaum, SL, Downey, JA: Inhibition of polyamine synthesis in regenerating nerve. Soc. Neurosci. Abs. 12: Part II, 1578, 1986.
- Kronenberg F: Recent advances in hot flash research. In: Selected topics in geriatric medicine. Proc. CME program in Geriatric Medicine & Long Term Care, NY, Sandoz, Inc., NJ 1986.
- Lemons DE, Weinbaum S, Jiji LM: The role of the micro and macro vascular system in tissue heat transfer. In: Heat and mass transfer in the microcirculation and thermally significant vessels. K. R. Diller, ed., ASME, N.Y. pp 39-46, 1986
- Mayeux R, stern Y, Williams JBW, Frantz A, Cote LJ, Dyenfurth I: Clinical and biochemical features of depression in Parkinsons disease. Am J Psychiat. 143:756-759, 1986.
- Song, WJ, Jiji LM, Weinbaum S, Lemons DE: A variable geometry microvascular model for whole limb heat transfer. In: Heat and mass transfer in the microcirculation and thermally significant vessels. K. R. Diller, ed., ASME, New York pp 28-38 1986.

- Altman, RP: Portal hypertension. In Welch KJ, Randolph JG, Ravitch MM, O'Neill JA, Rowe MI (eds): *Pediatric Surgery*. (4th Ed.) Yearbook Medical Publishers, Chicago, London, 1075-1085, 1986.
- Cholelithiasis. In Blumgart LH (ed): *Surgery of the Liver and Biliary Tract*. Churchill Livingstone, NY, 1985.
- Amodio J, Berdon W, Abramson S, Stolar CJH: Microcolon of prematurity: A form of neonatal obstruction. *Radiology* 146:239-244, 1986.
- Askanazi J, Hensle TW, Starker PM, LaSala PA, Olsson CA, Kinney JM: Immediate postoperative parenteral nutrition reduces hospitalization time (Abstract). *Fed. Proc.* 44:1145, 1985.
- Askanazi J, Hensle TW, Starker PM, Lockhart SH, LaSala PA, Olsson CA, Kinney JM: Effect of immediate postoperative nutritional support on length of hospitalization. *Ann. Surg.* 203:236-239, 1986.
- Benvenisty AI, Cianci J, Hardy MA: Psychosocial aspects of renal transplantation. In Hardy MA et al (eds): *Positive approaches to living with end stage renal disease: Psychosocial and thanatological aspects*. Preager Scientific, New York, 52-61, 1985.
- Benvenisty AI, Cohen DJ, Hardy MA: Tissue typing in renal transplantation—the impact of cyclosporine. *Transplant. Proc.* 18(Suppl. 1):19-25, 1986.
- Dresdale A, Bowman FO, Reemtsma K, Smith CR, Spotnitz HM, Rose EA, Malm JR: Hemostatic effectiveness of fibrin glue derived from single-donor fresh frozen plasma. *Annals of Thoracic Surg* 40(4):385-387, 1985.
- Fabri PJ, Gower WB, Weber CJ: Hyperparathyroid glands contain G-17 and G-34 gastrin. *J. Surg. Res.* 41:333-337, 1986.
- Feinfeld D, Benvenisty AI, D'Agati V, Hardy M: Cyclosporine and urine glutathione-S-transferase. *Proc. of EDTA-ERA* 22:561-565, 1985.
- Fink ME, Zuckerman S, Drusin RE, Rose EA, Lamb J, Reemtsma K: Serious neurological infections are dramatically reduced in cardiac transplant patients treated with cyclosporine. *Neurology* 36(Suppl 1):207, 1986.
- Forde KA: In Waye J (ed): *Malignant polyps—comments from the experts*. *Endoscopy Review* 3:30, 1986.
- Forse RA, Kinney JM: General and metabolic management. In Meakins JL (ed): *Surgical infection in critical care medicine*. Churchill Livingstone, Edinburgh, 233, 1985.
- The metabolic response to infection. In Meakins JL (ed): *Surgical infection in critical care medicine*. Churchill Livingstone, Edinburgh, 69, 1985.
- Getrajdman G, O'Toole K, LoGerfo P, Martin EC: Experimental sclerosis of the gallbladder. *Investigative Radiology* 20:4, 393-398, 1985.
- Gil KM, Askanazi J, Elwyn DH, Kinney JM: Amino acid and protein balance during malnutrition and following injury (Abstract). *JPEN* 10:145, 1986.
- Gil KM, Askanazi J, Weissman C, Elwyn DH, Kinney JM: Energy expenditure following infusions of glucose based parenteral nutrition (Abstract). *JPEN* 10:125, 1986.
- Gil KM, Forse RA, Askanazi J, Weissman C, Kinney JM: Energy metabolism in stress. In Garrow JS, Halliday D (eds): *Substrate and energy metabolism*. John Libbey, 203, 1985.
- Goldstein S, Askanazi J, Thomashow B, Weissman C, Hyman AI, Kinney JM: Metabolic demand, ventilation and muscle function during repletion of malnourished COPD and surgical patients (Abstract). *Anesthesiology* 63:A276, 1985.
- Goldstein S, Askanazi J, Weissman C, Thomashow B, Rosenbaum SH, Milic-Emili J, Kinney JM: Ventilatory patterns, gas exchange and weight loss in patients with COPD (Abstract). *Fed. Proc.* 44:1384, 1985.
- Goldstein SA, Askanazi J, Weissman C, Elwyn DH, Kinney JM: N balance during nutritional support in malnourished COPD patients (Abstract). *JPEN* 10:168, 1986.
- Goldstein SA, Weissman C, Askanazi J, Thomashow B, Rosenbaum SH, Bendixen HH, Kinney JM: Ventilatory patterns and functional changes during refeeding patients with COPD and weight loss (Abstract). *Am. Rev. Resp. Dis.* 131:A60, 1985.
- Grieg PD, Rozovski SJ, Elwyn DH, Kinney JM: Protein synthesis and degradation in biopsies of rat skeletal muscle. *J. Surg. Research* 40:248-260, 1986.
- Hardy MA, Reemtsma K, Lau H: Induction of indefinite rat islet allograft survival with direct ultraviolet irradiation and peritransplant Cyclosporine. *Transplant. Proc.* 17:423-424, 1985.
- Hensle TW, Askanazi J, Rosenbaum LH, Bernstein G, Kinney JM: Metabolic changes associated with radical cystectomy. *J. Urology* 134:1032-1036, 1985.
- Hugo NE: Reduction mammoplasty. In Rob C, Smith R (eds): *Operative surgery: Plastic surgery* (4th Ed.). Butterworth's, England, 658-663, 1986.
- Iga C, Fawwaz RA, Nowygrod R, Reemtsma K, Hardy, MA: Selective lymphoid irradiation and thymectomy in induction of permanent cardiac allograft acceptance in rats. *Transplant. Proc.* 17:1403-1404, 1985.
- Janecka I: Orbito-maxillary reconstruction following eye tumors (Abstract). XXV International Congress of Ophthalmology, Milano, Kugler Publications, 175, 1986.
- Repair of peripheral nerves: Comparative experimental study. Proceedings of the Fifth International Symposium of the Facial Nerve, Bordeaux, September 3-6, 1985. Masson Publishing, U.S.A.
- Janecka I, Conley J: Facial nerve tumors. Proceedings of the Fifth International Symposium of the Facial Nerve, Bordeaux, September 3-6, 1985. Masson Publishing, U.S.A.
- Janecka I, Hembree W, Burbige K: Replantation of the testis by microsurgical technique (discussion). *Plastic and Reconstructive Surgery* 76:4, 620-625, 1985.
- Jonasson O, Hardy MA: The case of Baby Fae—(Editorial). *JAMA* 254:3358-3360, 1985.
- Kemper MS, Weissman C, Askanazi J, Hyman A, Kinney JM: Change in oxygen consumption and carbon dioxide production as a predictor for successful extubation (Abstract). *Crit. Care. Med.* 14:373, 1986.
- Fluctuations in daily metabolic rate of surgical postoperative patients (Abstract). *Resp. Care* 30:864, 1985.
- Kinney JM: Citation for Francis D. Moore, MD. In Sharpe WD (ed): *Bull. N.Y. Acad. Med.* 62:270-272, 1986.
- Energy expenditure in the acutely ill patient. In Vincent JL (ed): *Update in intensive care and emergency medicine*. Proceedings of the 5th International Symposium on Intensive Care and Emergency Medicine, Brussels, March, 1985. Springer-Verlag, Berlin, 149, 1985.
- Energy metabolism in surgical patients. In Eckart J (ed): *Parenterale Ernährung unter besonderer Berücksichtigung der Fettzufuhr*. Proceedings of Deutsch-Skandinavischer Workshop, Stockholm, October 12-13, 1984. Karger, Munich, 1, 1986.
- Guidelines for the use of parenteral nutrition. In Vincent JL (ed): *Update in intensive care and emergency medicine*. Proceedings of the 5th International Symposium on Intensive Care and Emergency Medicine, Brussels, March, 1985. Springer-Verlag, Berlin, 276, 1985.
- Nutrition of the critically ill. In Little RA, Frayn KN (eds): *The scientific basis for the care of the critically ill*. Manchester University Press, Manchester, 185, 1986.

- Nutritional effects on ventilation. In Vincent JL (ed): Update in intensive care and emergency medicine. Proceedings of the 5th International Symposium on Intensive Care and Emergency Medicine, Brussels, March, 1985. Springer-Verlag, Berlin, 276, 1985.
- Kinney JM, Elwyn DH: Protein metabolism in the traumatized patient. In Larsson J, Lewis DH (eds): Significant surgical pathophysiological problems in the severely traumatized patient. Second Tore Nilson Symposium, September, 1983, Linköping, Sweden. Acta Chir. Scand. Suppl. 522:45-56, 1985.
- Kinney JM, Weissman C: Forms of malnutrition in stressed and unstressed patients. In Askanazi J (ed): Clinics in chest medicine—Vol. 7. W.B. Saunders, Philadelphia, 19, 1986.
- Kurlansky PA, Dresdale AR, Pierson R, McManus RP, Michler RE, Sachs H, Thomas WG, Lau H, Hardy MA, Marboe C, Reemtsma K, Rose EA: Prolongation of canine cardiac allograft survival using donor-specific buffy coat pretransfusions. Transplantation 42:98-101, 1986.
- Kurlansky PA, Sadeghi AM, Michler RE, Smith CR, Marboe CC, Thomas WG, Coppey L, Reemtsma K, Rose EA: Prolonged cardiac xenograft survival: A favorable comparison with allografts in primates. Current Surgery 43:413-415, 1986.
- LoGerfo P: Thyroiditis. In Cameron JL (ed): Current Surgical Therapy—2. C.V. Mosby Co., St. Louis, 303-306, 1986.
- Michler RE, Smith CR, Drusin RE, Reison DS, Hickey T, Lamb J, Reemtsma K, Rose EA: Reversal of cardiac transplant rejection without massive immunosuppression (Abstract). Circulation 72(4)III: 128, 1985.
- Reversal of cardiac transplant rejection without massive immunosuppression. Circulation 74(Suppl 3)III: 68-71, 1986.
- Morris PJ, Tilney NL, Bach JF, Bell P, Groth C, Hardy MA, Jonasson O, Monaco A, Najarian J, Rapaport F, Salvatierra O, Sells R, Smith PK, Stiller C, Storb R, Svejgaard A, Terasaki P, Ting A, Wood M, Veith F (The Council of The Transplantation Society): Transplantation—commercialisation in transplantation: The problems and some guidelines for practice. Lancet II: 715-716 Sept. 28, 1985.
- Oluwole S, Fawwaz AW, Kuromoto N, Reemtsma K, Hardy MA: Selective lymphoid irradiation. VI: Effect of Pd-109 labeled lymphocytes on rat cardiac allograft survival. Transplantation 39:232, 1985.
- Oluwole SF, Iga C, Lau H, Hardy MA: Prolongation of rat heart allografts by donor-specific blood transfusion treated with ultraviolet irradiation. Heart Transplantation 4:385-389, 1985.
- Reemtsma K, Hardy MA, Drusin RE, Smith CR, Rose EA: Cardiac transplantation: Changing patterns in evaluation and treatment. Ann. Surg. 202(4):418-424, 1985.
- Reemtsma K, Weber CJ: Transplantation of pancreas, parathyroids, intestine and other organs. In Welch KJ, Randolph JG, Ravitch MM, O'Neill JA, Rowe MI (eds): Pediatric surgery. (4th Ed.) Yearbook Medical Publishers, Chicago, London, 395-400, 1986.
- Pancreas and pancreatic islet transplantation. In Sabiston D Jr (ed): Textbook of surgery: The biological basis of surgical practice. (13th Ed.) W.B. Saunders, Philadelphia, 469-474, 1985.
- Reemtsma K, Weber CJ, Kazim M, Pi-Sunyer FX, Nilaver G, Fenoglio C: Xenogeneic islets of Langerhans for human transplantation: Functional and morphologic studies of primate, bovine and rabbit islets. In Friedman E and L'Esperance F Jr (eds): Diabetic renal-retinal syndrome III. Grune & Stratton, NY, 521-546, 1986.
- Rodriguez J, Askanazi J, Weissman C, Rosenbaum SH, Hensle TW, Kinney JM: Ventilatory and metabolic effects of glucose infusions. Chest 88:512-518, 1985.
- Rodriguez J, Bruyns J, Askanazi J, Rosenbaum SH, Milic-Emili J, Kinney JM: Carnitine metabolism during fasting in dogs. Surgery 99:684-687, 1986.
- Rose EA, Michler RE, Smith CR, McManus RP, Sadeghi AN, Drusin RE, Reemtsma K: Present status of human cardiac allografts and prospects for xenografts. Trans. A.S.A.I.O. 1985.
- Sadeghi AM, Rose EA, Michler RE, Smith CR, Baumgartner WA: A simplified method for the occlusion of the venae cavae during cardiopulmonary bypass. Ann. Thorac. Surg. 41:678, 1986.
- Santulli TV, Schullinger JN: Polypoid diseases of the gastrointestinal tract. In Welch KJ, Randolph JG, Ravitch MM, O'Neill JA, Rowe MI (eds): Pediatric surgery. (4th Ed.) Yearbook Medical Publishers, Chicago, London, 932-944, 1986.
- Shamberger RC, Treat MR, Ottinger LW: Intraduodenal diverticula of the common bile duct. Gastr. Endosc. 31(5):333-335, 1985.
- Stalneck MC, Whitaker LA, Udupa J, Katowitz JA: Applications of three dimensional imaging. Plastic Surg. Forum 8:89, 1985.
- Starker PM, Gump FE: Management of fluids and electrolytes in the acutely ill patient: Gastrointestinal disorders. In Askanazi J (ed): Fluid and electrolyte management of the acutely ill patient. Butterworth Pub., Boston, 251-266, 1986.
- Nutrition and lung water. In Askanazi J (ed): Chest clinics of North America. Vol. 7, 127-130, 1986.
- Starker PM, LaSala PA, Askanazi J, Todd G, Hensle TW, Kinney JM: The influence of preoperative total parenteral nutrition upon morbidity and mortality. S. G. & O. 162:569-574, 1986.
- Stolar CJH, Dillon PW, Stalcup SA: Modification of vasoactive profile in an infant with congenital diaphragmatic hernia treated by extracorporeal membrane oxygenation. J. Ped. Surg. 20(6):681-683, 1985.
- Suciu-Foca N, Reemtsma K, King DW: The significance of the idiotypic anti-idiotypic network in humans. Transplant. Proc. 18: 230-234, 1986.
- Takala J, Askanazi J, Weissman C, LaSala PA, Kinney JM: Branched chain amino acids and respiration (Abstract). Anesthesiology 63:A277, 1985.
- Tannenbaum GA, Forde KA: Radiation enteritis and colitis: General considerations in medical and surgical management. Surgical Rounds (:42-56, 1986.
- Thomas WG, Sadeghi AM, Kurlansky PA, Michler RE, Smith CR, Reemtsma K, Rose EA: Postoperative bone marrow injections with cyclosporine or antithymocyte globulin in rat cardiac allografts. Transplantation 42:441-442, 1986.
- Treat MR, Forde KA: Colonoscopy for rectal bleeding. In Dent T (ed): Surgical endoscopy. Harper Row Publishing Co., 1985.
- Weber CJ, Hardy MA, Rivera S, Bailey-Braxton D, Michler R, Thomas W, Chabot J, Pi-Sunyer FX, Wood M, Reemtsma K: Diabetic mouse bioassay for functional and immunologic human and primate islet xenograft survival. Transpl. Proc. 18:823-828, 1986.
- Weber CJ, LaForet G, Strausberg L, Rivera S, Munding T, Reemtsma K: Prevention of multiple low-dose streptozotocin (MLD-SZN) diabetes in B10.BR mice by whole body ultraviolet irradiation. Transplant. Proc. 18:812-816, 1986.
- Weissman C, Askanazi J, Kinney JM: The effect of a glucose induced rise in CO₂, on the response to low level exercise (Abstract). Am. Rev. Resp. Dis. 133:A46, 1986.
- Weissman C, Askanazi J, Forse RA, Hyman AI, Milic-Emili J, Kinney JM: The metabolic and ventilatory response to the infusion of stress hormones. Ann. Surg. 203:408-412, 1986.
- Weissman C, Askanazi J, Forse RA, Hyman AI, Rosenbaum SH, Kinney JM: The respiratory response to infusion of the stress hormones in normal subjects (Abstract). Anesthesiology 63:A511, 1985.

- Weissman C, Askanazi J, Rosenbaum SH, Damask MC, Hyman AI, Kinney JM: Response to tubular airway resistance in normal subjects and postoperative patients. *Anesthesiology* 64:353-358, 1986.
- Weissman C, Askanazi J, Rosenbaum SH, Hyman AI, Milic-Emili J, Kinney JM: The effects of posture on the metabolic and ventilatory response to low level steady state exercise. *Clin. Sci.* 71:553-558, 1986.
- Weissman C, Damask MC, Askanazi J, Rosenbaum SH, Kinney JM: Evaluation of a non-invasive method for the measurement of metabolic rate in humans. *Clin. Sci.* 69:135-141, 1985.
- Weissman C, Goldstein S, Askanazi J, Rosenbaum SH, Milic-Emili J, Kinney JM: Semistarvation and exercise. *J. Appl. Physiol.* 60:2035-2039, 1986.
- Weissman C, Kemper M, Elwyn DH, Askanazi J, Hyman AI, Kinney JM: The energy expenditure of the mechanically ventilated critically ill patient—an analysis. *Chest* 89:254-259, 1986.
- Substrate utilization in the critically ill patient (Abstract). *Anesthesiology* 63:A129, 1985.
- Day to day variation in the resting metabolic rate of mechanically ventilated critically ill patients (Abstract). *Crit. Care. Med.* 14:408, 1986.
- Resting metabolic rate of the critically ill patient: Measured versus predicted. *Anesthesiology* 64:673-679, 1986.
- Wu RHK, Shreedhar R, Pai NB, Levy J, Gerst PH: Intrathymic parathyroid adenoma in a child. *N.Y. State J. of Med.* 85:263, 1985.

- Askanazi J, Hensle TW, Starker PM, Lockhart SH, LaSala PA, Olsson CA, Kinney JM: Effect of immediate postoperative nutritional support on length of hospitalization. *J Urol* 134:1032-1036, 1985.
- Benson MC, Walsh PC: The application of flow cytometry to the assessment of tumor cell heterogeneity and the grading of human prostate cancer: Preliminary results. *J Urol* 135:1194, 1986.
- Blaivas JG: Urologic abnormalities in the tethered spinal cord. In: *The Tethered Spinal Cord*, Holtzman RN, Stein BM (Eds). Thieme-Stratton Inc., New York, 1985, pp 59-74.
- Pathophysiology of lower urinary tract dysfunction: *Obstet Gynec Clin NA*, 12:295-305, 1985.
- Pathophysiology of lower urinary tract dysfunction in women. *Urol Clin NA*, 1985.
- Blaivas JG, Salinas J, Katz P: Role of Urodynamic testing in the evaluation of subtle neurological lesions. *Neurology and Urodynamics* 4:211-28, 1985.
- Burbige KA, Hensle TW: Complications of urinary tract undiversion. *J Urol* 135:292-297, 1986.
- Burbige KA, Hensle TW, Chambers WJ, Leb R, Jeter JFK: Pregnancy and sexual function in women with bladder exstrophy. *Urol* 28 (1):12, 1986.
- Burbige KA: Complication of pyeloplasty. In: Fray F. Marshall (Ed.) *Urological Complications*. Yearbook Medical Publishers, 1986, pp 305-316.
- Hensle TW, Goldstein HE, Burbige KA: Surgery of dilated ureters and ureteral tailoring (Megaureter Repair). In: Dudley HAF and Pories WH (Eds.), *Operative Surgery Urology*, 4th Edition Butterworth & Co., London, England, 1986.
- Dismemberedpyeloplasty. In: Dudley HAF and Pories WJ (Eds.), *Operative Surgery Urology*, 4th Edition Butterworth and Co., London, England, 1986.
- Hensle TW, Burbige KA: Complications of urinary tract undiversion In: *Urological Complications*, Fray F. Marshall (Ed.), Yearbook Medical Publishers, 1986, pp 36-373.
- Hensle TW: Hyperalimentation in urology. In: Kaminski MC (Ed.), *Hyperalimentation a Guide for Clinicians*, Marcel Dekker Inc., New York Vol. 1:217-231, 1985.
- Hensle TW, Askanazi J, Rosenbaum LH, Bernstein G, Kinney JS: Metabolic changes associated with radical cystectomy, *J Urol* 134:1032-1036, 1985.
- Janecka IP, Hembree WA, Burbige KA: Discussion: Reimplantation of the testis by microsurgical technique. In: *Plastic and Reconstructive Surgery*, 1985, p 625.
- Levin R, Hensle TW: Inflammatory renal processes in children. In: Kaufman JJ (Eds.), *Current Urological Therapy*, 2nd Edition, WB Saunders and Co., 1986, pp 38.
- Nagler HM and Olsson CA: Disorders common to men. In: *The Columbia University College of Physicians and Surgeons Complete Home Medical Guide*. Tapley DF, Morris TQ, and Weiss R (Eds.), Part 5: No. 38 Crown Publishing New York, 1985, pp 756-766.
- Nagler HM: Unilateral Testicular Damage with Bilateral Testicular Effects: Experimental Aspects. *AUA Update Series*, Lesson 9, Vol. V, 1986.
- Nagler HM, Li X-Z, Lizza EF, Deitch A, deVere White R: Varicocele: Temporal considerations. *Investigative Urology. J Urol Vol.* 134, 1985, pp 411-413.
- Nagler HM, deVere White R, Blaivas JG: Impotence: Diagnosis and Treatment. Chapter 20 in *Human Sexuality. Psychosexual effects of disease*. Farber M (Ed.) Macmillan Publishing Company. 1985, pp 240-264.
- Nagler HM, Lissa EF, Marmar JL, Schmidt SS, LaNasa JA, Shalip ID, Thomas AJ and Belker AM: Transeptal Crossed Vasovasostomy. *J Urol Vol* 134, No 6, 1985, pp 1131-1122.
- Nagler HM: A clinical approach to testicular torsion. In: *Current Therapy of Infertility, 1984-1985*. Garcia, C-R, (Eds.), Philadelphia, BC Decker, In. 1985, pp 235-236.
- Norlen LJ, Blaivas JG: Unsuspected proximal urethral obstruction, *J Urol* 135:972, 1986.
- Nuovo GJ, Nagler HM and Fenoglio JJ: Arteriovenous malformation of the bladder presenting as gross hematuria. *J of Humam Pathology*, Vol. 17, No. 1, 1986.
- Olsson CA, Babayan RK, deVere White R: Surgical management of stage B and C prostatic carcinoma. *Urology (suppl)*, 25:30-35, 1985.
- Olsson CA: Anatomy of the upper urinary tract. In: *Campbells Urology*. Harrison JH, Gittes RR, Perlmutter AD, Stamey TA and Walsh PC (Eds.), (5th edition) WB Saunders, Vol. 1, 1985, pp 12-46.
- Raspa RW, Burbige KA, Kensle TW: The sex reversal syndrome (The XX male). *J Urol* 134:152-153, 1985.
- Rodriguez J, Askanazi J, Weissman C, Rosenbaum S, Hensle TW, Kinney JM: Ventilatory and Metabolic effects of glucose infusions. *Chest*, 88:4:512, 1985.
- Salinas J, Berger Y, de la Rocha RE, Blaivas JG: Urologic evaluation in the Shy Drager syndrome *J Urol*, 135:741, 1986.
- Sawczuk IS, Burbige KA, Hensle TW: Asymptomatic varicocele in an infant. *Clinical Ped.* Vol. 24: (5):285-286, 1985.
- Sawczuk IS and Nagler HM: Technique for quick advancement of a rubber nipple over a ureteral catheter. *Urology*, 27:275, 1986.
- Sawczuk IS and Wechsler M: Erosion of the pump mechanism of an inflatable penile prosthesis through the scrotum in a diabetic. *J of the National Medical Association*, 77:577, 1985.
- Sawczuk IS, Acosta R and deVere White R: Squamous cell carcinoma developing at the site of urethroplasty: Case report and review, *New York J of Medicine* 49:375, 1986.
- Sawczuk IS, Reitelman C, Libby C, Grant D, Vita J, deVere White R: CT findings in Addison's disease caused by tuberculosis. *Urol Radiology* 8:44, 1986.
- Starker PM, LaSala PK, Askanazi J, Elwyn DH, Hensle TW, Kinney JM: The response to total parenteral nutrition in the extremely malnourished patient *J Pen.* 9:300-302, 1985.
- The influence of preoperative TPN on morbidity and mortality. *Ann Surg Vol.* 162, 569-574, 1986.
- Weissman C, Askanazi J, Hensle TW: Conducting nutritional research. In: *MS Kaminsky, Manual of Contemporary Clinical Nutrition*. Marcel Dekker, 1985. pp 651-669.
- Zylit J, Grossman M, Olarte M and Nagler HM: Becker's nevus and an accessory scrotum: a unique occurrence. *J Am Acad Dermatology*, Vol. 14, 1986, pp 905-907.

- Barsa, J., Toner, J.A., Lantigua, R. and Gurland, B.J.: Ability of internists to recognize and manage depression in the elderly. *Int J Geriatric Psych* Vol. 1(1) pp 57-63, 1986.
- Bennett, R.G., Frisch, S., Shilkoff, M. (Eds.) *Selected Topics in Geriatric Medicine: Proceedings of the Continuing Medical Education Program in Geriatric Medicine and Long Term Care*, (Presented by Columbia University), Sandoz Pharmaceuticals Corporation, East Hanover, NJ, 1986.
- Hulley, S., Furberg, C., Gurland, B.J. McDonald, R., Perry, H.M., Schnaper, H., Schoenberger, J., McFate Smith, W., and Vogt, T.: Systolic Hypertension in the Elderly Program (SHEP): Antihypertensive Efficacy of Chlorthalidone. *American Journal of Cardiology*, 56(15) pp 913-920, 1985.
- Linn, M.W., Gurel, L., Williford, W. O., Overall, J., Gurland, B.J., Laughlin, P. and Barchiesi, A.: Nursing Home Care as an Alternative to Psychiatric Hospitalization: A Veterans Administration Cooperative Study. *Arch General Psych* 42:544-551, 1985.
- Mann, A.H., Gurland, B.J. & Cross, P.: A comparison of the long-term care of the elderly in New York and London and implications of the differences. In T.S. Radebaugh, E.M. Gruenberg, M. Kramer, & B. Cooper, *The Chronically Mentally Ill: An international perspective* pp 117-129, 1985.
- Morrison, I., Bennett, R., Frisch, S. & Gurland, B. (Eds.). *Continuing Care Retirement Communities; Political, Social and Financial Issues*, New York: Haworth Press, 1986.
- Wilder, D., Gurland, B.J., Bennett, R.: The chronicity of depression among the elderly. In L. Erlemeyer-Kimling & N. Miller (Eds.), *Life Span Research on the Prediction of Psychopathology* New Jersey: Lawrence Erlbaum Associates, pp 205-222, 1985.
- Zubin, J.: Aging and the Aging Cambial Layer. *J Integrated Psych* 4(3), 197, 1986.
- Zubin, J.: Implications of the Vulnerability Model for DSM-IV, with Special Reference to Schizophrenia. In T. Millon and G. Klerman (Eds.), *Contemporary Issues of Psychopathology*, The Gilford Press, 474-494, 1986.
- Zubin, J.: Models for the Etiology of Schizophrenia. In Burrows, G.D. (Ed.), *Handbook of Studies on Schizophrenia, Part I*, Elsevier Science Publisher, pp 97-104, 1986.
- Zubin, J.: Newer Strategies Series Hits Positive Note on Managing Negative Symptoms of Schizophrenia. *The Bulletin, Area II Council-The American Psychiatric Association*, 28(6) 6-7, May-June, 1986.
- Zubin, J.: Spontaneous Improvement, Vulnerability and Placebo. *Biological Psychiatry*, 21:1235, 1986.
- Zubin, J., Kietsman, J.L., and Steinhauer, S.R.: General Clinical Psychiatry in Relation to Psychiatry. In M. Shepherd (Ed.) *Handbook of Psychiatry 5, The Scientific Foundation of Psychiatry*, Cambridge University Press, 80-105, 1985.
- Zubin, J.: Oppenheimer, G. and Neugebauer, R.: Editorial-DeGeneration Theory and the Stigma of Schizophrenia. *Biological Psychiatry*, 20:1145-1148, 1985.
- Zubin, J., Steinhauer, S.R., Day, R. and van Kammen, D.: Schizophrenia at the Cross-roads; A Blueprint for the Eighties. *Comprehensive Psychiatry*, 26:217-240, 1985.

- Alevizos A, Koester J: Identified gill motoneuron L7 of *Aplysia* is a multimodal motoneuron that also innervates the cardiovascular system. *Soc Neurosci Abstr* 12:499.
- Ambron RT, Rayport SG: Giant *Aplysia* neuron R2 has distal dendrites: evidence for a second spike initiation site and protein sorting. *Soc Neurosci Abstr* 12:1147, 1986.
- Anderson DJ, Stein R, Axel R: Gene expression in differentiating and transdifferentiating neural crest cells. In *Cold Spring Harbor Symp Quant Biol, Molec Biol of Devel* 50:855-863, 1985.
- Amann E, Brosius J: "ATG vectors" for regulated high-level expression of cloned genes in *Escherichia coli*. *Gene* 40:183-190, 1985.
- Argarana CE, Kuntz ID, Birken S, Axel R, Cantor CR: Molecular cloning and nucleotide sequence of the streptavidin gene. *Nucleic Acids Res* 14:1871-1882, 1986.
- Bailey CH, Kandel ER: Molecular approach to the study of short-term and long-term memory. In *Functions of the Brain*, Coen CW (Editor). Clarendon Press, Oxford, pp 98-129, 1985.
- Belardetti F, Abrams TW, Castellucci VF, Kandel ER, Siegelbaum SA: FMRFamide depresses transmitter release and increases the opening probability of the SK⁺ channel in *Aplysia* sensory neurons. *Soc Neurosci Abstr* 12:766, 1986.
- Belardetti F, Schacher S, Siegelbaum SA: Action potentials, macroscopic and single channel currents recorded from growth cones of *Aplysia* neurons in culture. *J Physiol* 374:289-313, 1986.
- Belardetti F, Schacher S, Kandel ER, Siegelbaum SA: Serotonin modulates the action potential in growth cone precursors of sensory neuron terminals in *Aplysia*. In *Molecular Aspects of Neurobiology*, Levi Montalcini R, Calissano P, Kandel ER, Maggi A (Editors). Springer-Verlag, Berlin, pp 15-18, 1986.
Serotonin produces a decreased conductance EPSP and broadening of the action potential in growth cones of *Aplysia* sensory neurons. *Soc Neurosci Abstr* 11:28, 1985.
The growth cones of *Aplysia* sensory neurons: Modulation by serotonin of action potential duration and single potassium channel currents. *Proc Natl Acad Sci USA* 83:7094-7098, 1986.
- Benezra R, Cantor CR, Axel R: Nucleosomes are phased along the mouse β -major globin gene in erythroid and nonerythroid cells. *Cell* 44:697-704, 1986.
- Burmeister DW, Goldberg DJ: The veil is the nascent axon: observations of living growth cones with video-enhanced contrast-differential interference contrast (VEC-DIC) microscopy. *Soc Neurosci Abstr* 12:369.
- Calof A, Jessell TM: Use of a retrovirus vector to transfer and express a foreign gene in murine neurons and neural ectoderm. *Soc Neurosci Abstr* 12:183, 1986.
- Camardo JS, Shuster MJ, Siegelbaum SA: Modulation of a potassium channel in *Aplysia* sensory neurons: role of protein phosphorylation. In *Molecular Aspects of Neurobiology*, Levi Montalcini R, Calissano P, Kandel ER, Maggi A (Editors). Springer-Verlag, Berlin, pp 106-112, 1986.
- Castellucci VF, Schacher S, Montarolo PG, Mackey S, Glanzman DL, Hawkins RD, Abrams TW, Goelet P, Kandel ER: Convergence of small molecule and peptide transmitters on a common molecular cascade. In *Symposium on Coexistence and Correlates, Progress in Brain Research*, Hokfelt T, Fuxe K, Pernow P (Editors). Elsevier Science Publishers, Amsterdam, 68:83-102, 1985.
- Chiel HF, Weiss KR, Kupfermann I: An identified histaminergic neuron modulates feeding motor circuitry in *Aplysia*. *J Neurosci* 6:2427-2450.
- Clark GA: A system for the study of synapse specificity in long-term memory in *Aplysia*. *Soc Neurosci Abstr* 12:1338, 1986.
- Clark GA, Hawkins RD, Kandel ER: Cell Biological Perspectives on Learning. In *Diseases of the Nervous System, Vol. I: Clinical Neurobiology*, Asbury AK, McKhann GM, McDonald WI (Editors). Saunders, Philadelphia, pp 79-97, 1986.
- Dale N, Kandel ER, Schacher S: 5-HT induces long-lasting excitability changes in cultured *Aplysia* neurons. *Soc Neurosci Abstr* 12:1339, 1986.
- Dodd J: The identification and function of carbohydrate differentiation antigens on primary sensory neurons. In *Neuroendocrine Molecular Biology*, Fink G, Harmar AJ, McKerns KW (Editors). Plenum Press, NY and London, pp 41-45, 1986.
- Dodd J, Jessell TM: Cell surface glycoconjugates and carbohydrate-binding proteins: possible recognition signals in sensory neuron development. *J Exp Biol* 124:225-238, 1986.
- Eliot LS, Dudai Y, Kandel ER, Abrams TW: Activation of adenylate cyclase in *Aplysia* by Ca²⁺/calmodulin: a possible molecular site of stimulus convergence in associative conditioning. *Soc Neurosci Abstr* 12:400, 1986.
- Eppler CM, Bayley H, Greenberg S, Schwartz JH: Structural studies on a family of cAMP-binding proteins in the nervous system of *Aplysia*. *J Cell Biol* 102:320-331, 1986.
- Favilla M, Hening W, Ghez C: Human tracking performance: parallel specification of amplitude and direction. *Soc Neurosci Abstr* 11:72, 1985.
- Frost WN, Castellucci VF, Hawkins RD, Kandel ER: Monosynaptic connections made by the sensory neurons of the gill- and siphon-withdrawal reflex in *Aplysia* participate in the storage of long-term memory of sensitization. *Proc Natl Acad Sci USA* 82:8266-8269, 1985.
- Frost WN, Clark GA, Kandel ER: Changes in cellular excitability in a new class of siphon motor neurons during sensitization in *Aplysia*. *Soc Neurosci Abstr* 11:643, 1985.
- Furth ME, Swanson ME, Aldrich TA, Elste AM, Greenberg SM, and Schwartz JH: Abundant expression of a ras protein in *Aplysia* neurons. Symposium on G-Proteins and Signal Transduction, Cold Spring Harbor, NY, 1986.
- Glanzman DL, Mackey S, Kandel ER: Depletion of serotonin in *Aplysia* interferes with facilitation produced by sensitizing stimuli. *Soc Neurosci Abstr* 12:1339, 1986.
- Goelet P, Castellucci VF, Schacher S, Kandel ER: The long and short of long-term memory—a molecular framework. *Nature* 322:419-422, 1986.
- Goldberg DJ, Ambron RT: Consequences of partial axotomy for production of neurotransmitter vesicles and routing of rapidly transported membrane glycoproteins in the axonal tree. *J Neurosci* 6:1712-1718.
- Goldberg DJ, Schacher S: Differential growth of two branches of a regenerating bifurcate axon is associated with changes in partitioning between the branches of organelles moving by fast axonal transport. *Soc Neurosci Abstr* 12:369, 1986.
- Gordon J, Ghez C: Mechanisms contributing to accuracy in aimed force impulses: rise time regulation and corrective adjustments. *Soc Neurosci Abstr* 11:75, 1985.
- Gordon J, Hening W, Ghez C: Abnormalities of trajectory control in dystonia. *Neurol* 36:183:1986.
- Gotoh H, Schwartz JH, Elste AM, Shapiro E: Uptake, synthesis, storage, and transport of histamine in an identified *Aplysia* neuron, C2. International Union of Physiological Sciences, Axonal Transport Conference Satellite, Calgary, Canada, 1986.
- Greenberg SM, Bayley H, Castellucci VF, Schwartz JH: Selective loss of the regulatory subunit of the cAMP-dependent protein kinase in *Aplysia* after sensitizing treatments. *Soc Neurosci Abstr* 12:1339, 1986.

- Harris DA, Sherbany AA, Brosius J: Cloning and characterization of messenger RNA from rat brain that may lack a poly (A) tail. *Soc Neurosci Abstr* 11:1116, 1986.
- Hawkins RD: Localization of potential serotonergic facilitator neurons by glyoxylic acid histofluorescence and retrograde fluorescent labeling in Aplysia: *Soc Neurosci Abstr* 12:1339, 1986.
- Hawkins RD, Carew TJ, Kandel ER: Effects of interstimulus interval and contingency on classical conditioning of the Aplysia siphon withdrawal reflex. *J. Neurosci* 6:1695-1701, 1986.
- Hawkins RD, Clark GA, Kandel ER: Operant conditioning and differential classical conditioning of gill withdrawal in Aplysia. *Soc Neurosci Abstr* 12:796, 1986.
- Henco K, Brosius J, Fujisawa A, Fujisawa JI, Haynes JR, Hochstadt J, Kovacic T, Pasek M, Schambeck A, Schmid J, Todokoro K, Walchli M, Nagata S, Weissmann C: Structural relationship of human interferon alpha genes and pseudogenes. *J Mol Biol* 185:227-260, 1985.
- Hochner B, Braha O, Klein M, Kandel ER: Distinct processes in presynaptic facilitation contribute to sensitization and dishabituation in Aplysia: possible involvement of C kinase in dishabituation in Aplysia: possible involvement of C kinase in dishabituation. *Soc Neurosci Abstr* 12:1340, 1986.
- Hochner B, Klein M, Schacher S, Kandel ER: Action potential duration and the modulation of transmitter release in presynaptic facilitation and behavioral sensitization and dishabituation in the sensory neurons of Aplysia. *Proc Natl Acad Sci USA* 83:8410-8414, 1985.
- Hochner B, Klein M, Schacher S, Kandel ER: Additional component in the cellular mechanism of presynaptic facilitation contributes to behavioral dishabituation in Aplysia. *Proc Natl Acad Sci USA* 83:8794-8798, 1985.
- Jessell TM, Dodd J: Neurotransmitters and differentiation antigens in subsets of sensory neurons projecting to spinal dorsal horn. In *Neuropeptides in Neurologic and Psychiatric Disease*, Martin JB, Barchas J (Editors). Raven Press, NY pp 111-113, 1986.
- Jessell TM, Jahr CE: Synaptic interactions between dorsal root ganglion and dorsal horn neurons in cell culture: amino acids, nucleotides and peptides as possible fast and slow excitatory transmitters. In *Fast and Slow Chemical Signalling in the Nervous System*, Iversen, LL, Goodman S (Editors). Oxford University Press, NY pp 162-182, 1986.
- Jessell TM, Yoshikawa K, Jahr CE: Amino acid receptor-mediated transmission at primary afferent synapses in rat spinal cord. *J Exp Biol* 124:239-258, 1986.
- Kandel ER, Klein M, Castellucci VF, Schacher S, Goelet P: Some principles emerging from the study of short- and long-term memory. *Neurosci Res* 3:498-520, 1986.
- Kay AR, Wong RKS: Isolation of neurons suitable for patch clamping from adult mammalian central nervous system. *J Neurophysiol Methods* 16:227-238, 1986.
- Kay AR, Miles R, Wong RKS: Intracellular fluoride alters the kinetic properties of calcium currents facilitating the investigation of synaptic events in hippocampal neurons. *J Neurophysiol* 6:2915-2920, 1986.
- Klein M, Hochner B, Kandel ER: Facilitatory transmitters and cAMP can modulate accommodation as well as transmitter release in sensory neurons: evidence for parallel processing in a single cell. *Proc Natl Acad Sci USA*, 83:7994-7998, 1986.
- Knowles WD, Traub RD., Wong RKS, Miles R: Properties of neural networks: experimentation and modelling of the epileptic hippocampal slice. *Trends in Neurosci* 8:73-79, 1985.
- Kretz R, Shapiro E, Kandel ER: Presynaptic inhibition produced by an identified presynaptic inhibitory neuron. I. Physiological Mechanisms. *J Neurophysiol* 55:113-130, 1986.
- Kretz R, Shapiro E, Kandel ER: Presynaptic inhibition produced by an identified presynaptic inhibitory neuron. II. Presynaptic conductance changes caused by histamine. *J Neurophysiol* 55:131-146, 1986.
- Levi Montalcini R, Calissano P, Kandel ER, Maggi A (Editors): *Molecular Aspects of Neurobiology*. Springer-Verlag, Berlin, 1986.
- Mackey SL, Hawkins RD, Kandel ER: Neurons in 5-HT containing region of cerebral ganglia produce facilitation of LE cells in Aplysia. *Soc Neurosci Abstr* 12:1340, 1986.
- Maddon PJ, Dalgleish AG, McDougal JS, Clapham PR, Weiss RA, Axel R: The T4 gene encodes the AIDS virus receptor and is expressed in the immune system and the brain. *Cell* 47:333-348, 1986.
- Martin JH, Ghez C: Task-related coding of stimulus and response in cat motor cortex. *Exp Brain Res* 57:427-442, 1985.
- Martin JH, Brennan J, Ghez C: Differential effects of reversible inactivation of the corticospinal and rubrospinal systems on tracking performance in cats. *Neurosci Abstr* 12:157, 1986.
- McIntyre DC, Wong RKS: Modification of local neuronal interactions by amygdala kindling examined in vitro. *Exp Neurol* 88:529-537, 1985.
- McIntyre DC, Wong RKS: Cellular and synaptic properties of the amygdala kindled pyriform cortex. *J Neurophysiol* 55:1295-1307, 1986.
- Miles R, Wong RKS: Inhibitory control of local excitatory circuit in guinea-pig hippocampus *J Physiol* 373:397-418, 1986.
- Miyata M, Mocchetti I, Brosius J, Guidotti A: DBI mRNA and DBI-like immunoreactivity (DBI-LI) in rat brain and peripheral organs. *Fed Proc* 45:917, 1986.
- Mocchetti I, Einstein R, Brosius J: Putative diazepam-binding inhibitor peptide: cDNA clones from rat. *Proc Natl Acad Sci USA* 83:7221-7225, 1986.
- Montarolo PG, Goelet P, Castellucci VF, Morgan J, Kandel ER, and Schacher S: A critical period for macromolecular synthesis in long-term heterosynaptic facilitation in Aplysia. *Science* 234:1249-1254, 1986.
- Montarolo P, Schacher S, Castellucci VF, Hawkins RD, Abrams TW, Goelet P, Kandel ER: Interrelationships of cellular mechanisms for different forms of learning and memory. In *Molecular Aspects of Neurobiology*, Levi Montalcini R, Calissano P, Kandel ER, Maggi A (Editors). Springer-Verlag, Berlin, pp 1-14, 1986.
- Piomelli D, Feinmark S, Shapiro E, Schwartz JH: Simulation of C2, an identified histaminergic Aplysia neuron, results in increased release of lipoxygenase metabolites of arachidonic acid: possible mediators of synaptic modulation. *Soc Neurosci Abstr* 12:1340, 1986.
- Rayport SG, Kandel ER: Development of plastic mechanisms related to learning at identified chemical synaptic connections in Aplysia. *J Neuroscience* 17:283-294, 1986.
- Rayport, SG, Schacher S: Synaptic plasticity in vitro: cell culture of identified Aplysia neurons mediating short-term habituation and sensitization. *J Neurosci* 6:759-763, 1986.
- Regan L, Dodd J, Barondes S, and Jessell TM: Selective expression of endogenous lactose-binding lectins and lactoseries glycoconjugates in subsets of rat sensory neurons. *Proc Natl Acad Sci* 83:2248-2252, 1986.
- Saktor TC, O'Brien CA, Weinstein IB, Schartz JH: Translocation from cytosol to membrane of protein kinase C after stimulation of Aplysia neurons with serotonin. *Soc Neurosci Abstr* 12:1340, 1986.
- Schacher S, Flaster MS: Formation of chemical synapses by adult Aplysia neurons in vitro is facilitated by the presence of juvenile neurons. In *Progress in Brain Research*, Vol 71, Seil FJ, Carlson B, Carlson H (Editors). Elsevier North-Holland, Amsterdam, pp 281-289, 1986.

- Schacher S, Montarolo PG, Morgan J, Castellucci VF, Kandel ER, Goelet P: A critical period of macromolecular synthesis is necessary for the expression of long-term facilitation of sensorimotor connections in Aplysia. *Soc Neurosci Abstr* 12:1338, 1986.
- Shih LB, Bayley H: A carbene-yielding amino acid for incorporation into peptide photoaffinity reagents. *Analyt Biochem* 144:132-144, 1985.
- Shuster MJ, Siegelbaum SA: Pharmacological characterization of the S potassium channel of Aplysia sensory neurons. *Soc Neurosci Abstr* 12:766, 1986.
- Schwartz JH: Review of Bradford, HF: *Chemical Neurobiology: An Introduction to Neurochemistry*. WH Freeman and Company NY. Cell 45:327-328, 1986.
- Schwartz JH, Elste AM, Shapiro E, Gotoh H: Biochemical and morphological correlates of transmitter type in C2: an identified histaminergic neuron in Aplysia. *J Comp Neurol* 245:401-421, 1986.
- Siegelbaum SA, Camardo JS, Robinson RB: Rapid activation kinetics of mammalian cardiac sodium channels. *Biophys J* 49:53a, 1986.
- Simmons LK, Koester, J: Serotonin enhances the excitatory acetylcholine response in the RB cell cluster of Aplysia californica. *J Neurosci* 6:774-781, 1986.
- Tobkes N, Wallace BA, Bayley H: Secondary structure and assembly mechanism of an oligomeric channel protein. *Biochem* 24:1915-1920, 1985.
- Traub RD, Wong RKS, Miles R: Neuronal interactions during epileptic events in vitro. *Fed Proc* 44:2953-2955, 1985.
- Walter ET, Byrne JH, Carew TJ, Kandel ER: A comparison of simple defensive reflexes in Aplysia: Implications for general mechanisms of integration and plasticity. In *Comparative Neurobiology: Modes of Communication in the Nervous System*, Cohen MJ, Strumwasser F (Editors). Wiley-Interscience, NY, pp 181-205, 1985.
- Weiss KR, Chiel HJ, Kupfermann I: Sensory function and gating histaminergic neuron C2 in Aplysia. *J Neurosci* 6:2416-2426, 1986.
- Weiss KR, Kupfermann I: Activity of an identified histaminergic neuron, and its possible role in arousal of feeding behavior in semi-intact Aplysia. *J Neurosci* 6:2403-2415, 1986.
- Weiss KR, Shapiro E, Kupfermann I: Modulatory synaptic actions of an identified histaminergic neuron on the serotonergic metacerebral cell of Aplysia. *J. Neurosci* 6:2393-2402, 1986.
- Womack MD, Hanley MR, Jessell TM: Functional substance P receptors on a rat pancreatic acinar cell line. *Neurosci* 5:3370-3378, 1985.
- Wong RKS, Traub RD, Miles R: Cellular basis of neuronal synchrony in epilepsy. In *Basic Mechanisms in Epilepsies*. Delgado-Escueta AV, Ward A, Woodbury, DM (Editors). Raven Press, NY, *Advances in Neurology* 44:583-592, 1985.
- Yemul SS, Berger C, Estabrook A, Edelson R, Bayley H: The delivery of phototoxic drugs to selected cells. *Ann NY Acad Sci* 446:403-414, 1985.
- Yovell Y, Dudai Y, Abrams TW: Quantitative analysis of Ca^{2+} /calmodulin activated adenylate cyclase from Aplysia, Drosophila, and rat brain: possible relevance for associative learning. *Soc Neurosci Abstr* 12:400, 1986.

- Allman J: Conjugal union in rural and urban Haiti. *Soc Econ Studies* 34:27-57, 1985.
- Allman J, Desse G, Rival A: Condom use in Haiti, New York, New York, Columbia University, Center for Population and Family Health, 1985. (CPFH Working Paper No. 16)
- Allman J, Rohde JE, Wray J: Implementing priority primary health care in developing countries. In: *Health Policy, Social Policy and Mortality Prospects*. J. Vallin, A. Lopez (Editors). Liege, Belgium, International Union for the Scientific Study of Population, Ordina Editions, 1985.
- Ayeni O, Weiss E: The village documentation survey: a tool for local health planning. In: *Conference on the Oyo State CBD Project: Community-Based Delivery of Health and Family Planning Services*, University of Ibadan Conference Center, January 14-16, 1985, Ibadan, Nigeria. Ibadan, Nigeria, University College Hospital, Fertility Research Unit, 1985.
- Ayeni O, Weiss E, Olayinka I, Otolurin EO, Onadeko MO: The baseline survey; health status and the utilization of health facilities. In: *Conference on the Oyo State CBD Project: Community-Based Delivery of Health and Family Planning Services*, University of Ibadan Conference Center, January 14-16, 1985, Ibadan, Nigeria. Ibadan, Niberia, University College Hospital, Fertility Research Unit, 1985.
- Barber-Madden R, Cowell C, Petschek M, Glanz K: Nutrition for pregnant and lactating women: implications for health promotion in business and industry. *J Nutr Educ* 18:572-575, 1986.
- Barber-Madden R, Randolph L: MCH Collaborative Studies Program in New York State. *Public Health Rep* 100:433-439, 1985.
- Bonilla Castro E, Darabi K: Analysis of a national sex education program in the Dominican Republic. Chestnut Hill, Massachusetts, Pathfinder Fund, February, 1986. (Pathfinder Fund Working Paper No. 3)
- Cairns GS, Heckel NI: Women's equality in the world's constitutions. *Populi* 12:50-56, 1985.
- Cook RJ: Charting changes in human rights. *People* 12:30, 1985.
- Cook RJ: Contraception and the law. *People* 13:28, 1986.
- Cook RJ: Legal abortion: limits and contributions to human life. In: *Abortion: Medical Progress and Social Implications*, Ciba Foundation Symposium 115. London, England, Pitman, 1985.
- Cook RJ: Progress towards equality. *People* 12:4, 1985.
- Cook RJ: Setback for women in Egypt. *People* 12:28, 1985.
- Cook RJ: Where next with the export of nonconforming contraceptives. New York, New York, Columbia University, Center for Population and Family Health, December, 1985. (CPFH Working Paper No. 23)
- Cook RJ, Dickens BM: Issues in reproductive health law in the Commonwealth. London, England, Commonwealth Secretariat, 1986.
- Cook RJ, Haws JM: The United Nations convention on the rights of women: opportunities for family planning providers. *Int Fam Plann Perspect* 12:49-53, 1986.
- Darabi KF, Brodsky D, Ferguson Z, Kantor J, Katz J, Koff A, Lederman L: The fertility-related attitudes and behavior of Hispanics in the United States: a comprehensive bibliography with abstracts. New York, New York, Columbia University, Center for Population and Family Health, February, 1986.
- Darabi KF, Dryfoos J, Schwartz D: The fertility-related attitudes and behavior of hispanic adolescents in the United States. New York, New York, Columbia University, Center for Population and Family Health, July, 1985. (CPFH Working Paper No. 19)
- Darabi KF, Dryfoos J, Schwartz D: Hispanic adolescent fertility. *Hispan J Behav Sci* 8:157-172, 1986.
- Davidson AR: Psychosocial aspects of contraceptive decision making. In: *Choosing a Contraceptive: Factors in Method Choice in Asia and the United States*. RA Bulatao, JA Palmore (Editors). New York, New York, Sage Publications, 1986.
- Davidson AR, Yantis S, Norwood M, Montano D: Amount of information about the attitude object and attitude-behavior consistency. *J Pers Soc Psychol* 49:1184-1198, 1985.
- El Tom AR: The Sudan community-based health and family planning project: description of a training course. In: *Health and Family Planning in Community-Based Distribution Programs*. M. Wawer, S. Huffman, D. Cebula, R. Osborn (Editors). Boulder, Colorado, Westview, 1985.
- Faoye G, Weiss E, Ladipo OA: The reporting system and service statistics: Oyo State CBD Project. In: *Conference on the Oyo State CBD Project: Community-Based Delivery of Health and Family Planning Services*, Proceedings, University of Ibadan Conference Center, January 14-16, 1985, Ibadan, Nigeria. Ibadan, Nigeria, University College Hospital, Fertility Research Unit, 1985.
- Galler JR, Ramsey F, Solimano G: A follow-up study of the effects of early malnutrition on subsequent development: I) physical growth and sexual maturation during adolescence. *Pediatr Res* 19:518-523, 1985.
- Galler JR, Ramsey F, Solimano G: A follow-up study of the effects of early malnutrition on subsequent development: I) fine motor skills. *Pediatr Res* 19:525-527, 1985.
- Galler JR, Ramsey F, Solimano G, Kucharski LT: The influence of early malnutrition on subsequent behavioral development: V) the role of microenvironment of the household. *J Am Acad Child Psychiatr* 24:58-64, 1985.
- Golden A, Wawer MJ, Mercer MA: Training CBD workers for family planning and health interventions. In: *Health and Family Planning in Community-Based Distribution*. M. Wawer, S. Huffman, D. Cebula, R. Osborn (Editors). Boulder, Colorado, Westview, 1985.
- Heckel NI: Innovations in population law and policy in Sub-Saharan Africa: 1975-1985. New York, New York, Columbia University, Center for Population and Family Health, August, 1986. (CPFH Working Paper No. 27)
- Huber D, Hong S, Ross J: The international experience with vasectomy. In: *Male Contraception: Advances and Future Prospects*. G. Zatuchni et. al. (Editors). Philadelphia, Pennsylvania, Harper and Row, 1986.
- Isaacs S, Cairns G, Heckel N: Population policy manual for policy-makers and planners. New York, New York, Columbia University, Development law and Policy Program, 1985.
- Isaacs S, Cook R, Campbell W: Laws and policies affecting family planning, 1975-1985. Washington, D.C., National Academy of Sciences, 1986.
- Isaacs S, Muirray G, Rios R: The status of children in Latin America: law and reality. [Wallchart]. New York, New York, Inter-American Parliamentary Group on Population and Development, 1985.
- Jones JE: Fertility-related care. In: *Services to Young Families*. H. McAdoo, TM Parham (Editors). Washington, D.C., American Public Welfare Association, 1985.
- Jones JE, Namerow PB, Philliber SG: Strategies for evaluating a contraceptive service for teenagers. *Health Care Manage Rev* 11:41-46, 1986.
- Jones JE, Tiezzi L, Williams-Kaye J: Overcoming barriers to medicated eligibility. *Am J Public Health* 76:1247, 1986.
- Kalmuss DS: Contraceptive use: a comparison between ever pregnant and never pregnant adolescents. *J Adolesc Health Care* 7:332-337, 1986.

- Kalmuss DS: The use of infertility services among fertility impaired couples. New York, New York, Columbia University, Center for Population and Family Health, June, 1986. (CPFH Working Paper No. 25)
- Kalmuss DS, Seltzer J: Continuity of marital behavior in remarriage: the case of spouse abuse. *J Marriage Fam* 48:113-120, 1986.
- Ladipo OA, Weiss EM, Delano GE, Revson J, Onadeko MO, Ayeni O: Community-based distribution of low-cost family planning and maternal and child health services in rural Nigeria. In: *Health and Family Planning in Community-Based Distribution Programs*. M. Wawer, S. Huffman, D. Cebula, R. Osborn (Editors). Boulder, Colorado, Westview, 1985.
- Lauro D: Family planning policies and programs in Africa. In: *Proceedings of the Seventeenth Annual Conference of the Association for Population/Family Planning Libraries and Information Centers-International*, Minneapolis, May 1984. C. Turner (Editor). New York, New York, Association for Population/Family Planning Libraries and Information Centers-International, 1985.
- Lederman SA: Physiological changes of pregnancy and their relation to nutrient needs. In: *Feeding the Mother and Child*. M. Winick. (Editor). New York, New York, John Wiley and Sons, 1986.
- Lederman SA: Prenatal care and pregnancy outcome. New York, New York, Columbia University, Center for Population and Family Health, September, 1985. (CPFH Working Paper No. 20)
- Lederman SA, Cator P, Treadway JL: Body composition in food-restricted sedentary or exercised-trained nonpregnant or lactating rats. XIII Congress of Nutrition, Brighton, United Kingdom, Abstract No. 0134, August 1985.
- Lederman SA, Cator P, Treadway JL: The effects of exercise training during pregnancy and lactation on maternal body composition and offspring growing in well-fed and food restricted rats. *Fed Proc* 44:1280, 1985.
- Lederman SA, Cator P, Treadway JL: Maternal body composition and pup growth in well-fed and food restricted, exercised and sedentary rats. XIII Congress of Nutrition, Brighton, United Kingdom, Abstract No. 0028, p. 25, August 1985.
- Lederman SA, Haiek V: Birthweight of infants of teen and adult mothers of comparable weight for height. *Fed Proc* 45: Abstract No. 4730, March, 1986.
- Lederman SA, Treadway JL, Cator P: Milk yield and composition in well-fed exercise-trained and sedentary rats. XIII Congress of Nutrition, Brighton, United Kingdom, Abstract No. 0028, p. 25, August 1985.
- Leppert PC, Namerow PB: Costs averted by providing comprehensive prenatal care to teenagers. *J Nurse Midwife* 30:285-289, 1985.
- Leppert PC, Namerow PB, Barker D: Pregnancy outcomes among adolescent and older women receiving comprehensive care. *J Adolesc Health Care* 7:112-117, 1986.
- Leppert PC, Namerow PB, Horowitz E: Cesarean section deliveries among adolescent mother enrolled in a comprehensive prenatal care program. *Am J Obstet Gynecol* 152:623-626, 1985.
- Maine D: Mothers in peril: the heavy toll of needless deaths. *People* 12:6-8, 1985.
- Maine D: Prevention of maternal mortality, report of a WHO Interregional Meeting, Geneva, 11-15 November 1985. Geneva, Switzerland, World Health Organization, 1985.
- Maine D, McNamara R: Birth spacing and child survival. New York, New York, Columbia University, Center for Population and Family Health, 1985.
- Maine D, McNamara R: Espacement des naissances et la survie des enfants. [Pamphlet]. New York, New York, Columbia University, Center for Population and Family Health, 1986.
- Maine D, McNamara R, Wallace M: Birth spacing prevents child deaths. [Pamphlet]. New York, New York, Columbia University, Center for Population and Family Health, 1986.
- Maine D, McNamara R, Wray JD, Farah AA, Wallace M: Effects of fertility change on maternal and child survival: prospects for Sub-Saharan Africa. Washington, D.C., World Bank, Population, Health and Nutrition Department, (PHN Technical Note No. 85-15)
- Maine D, Wallace M, McNamara R: Factsheet: reproductive health in Africa. New York, New York, Columbia University, Center for Population and Family Health, 1985.
- Maine D, Wray JD, Wallace M, Belsey WA, Foo-Gregory CFH: Report on international financial resources for maternal/child health and family planning. Geneva, Switzerland, World Health Organization, Division of Family Health, Maternal and Child Health Unit, 1985.
- Nalder S, Gorosh M: Taking training to the field: extending and adapting U.S. based training. In: *Selected papers of the 1984 Annual Conference of the National Council for International Health*, October, 1985.
- Nangawe E, Shomet F, Rowberg E, McGinn T, Van Wie W: Community participation in health programs: experiences from the Maasai health services project, Tanzania. New York, New York, Columbia University, Center for Population and Family Health, June, 1985. (CPFH Working Paper No. 18)
- Nangawe E, Sitayo E, Rowberg E, McGinn T, Van Wie W: The training component of the Maasai Health Services Project, Tanzania, *Int Quart Community Health Educ* 6:115-129, 1985-1986.
- Nurcombe B, Rauh V, Howell D, Teti D, Ruoff P, Brenan J: Intervention and transaction: sex and twelve-month outcome of the Vermont Infant Studies Project. In: *Frontiers in Infant Psychiatry*, Vol. II. J. Call, E. Galenson (Editors). New York, New York, Basic Books, 1986.
- Papiernik, E, Maine D, Rush D, Richard A: Prenatal care and prevention of preterm delivery. *Int J Gynaecol Obstet* 23:427-433, 1985.
- Pasquariella SK: Introduction. In: *POPIN Thesaurus: Population Multilingual Thesaurus*. Paris, France, Committee for International Cooperation in National Research in Demography and United Nations Fund for Population Activities, 1985.
- Petschek MA, Adams-Taylor S: Prenatal care initiatives: moving toward universal prenatal care in the United States, final report. New York, New York, Columbia University, Center for Population and Family Health, 1986.
- Petschek M, Barber-Madden R: Promoting prenatal care and breastfeeding in the workplace: the role of the occupational health nurse. *Occup Health Nurs* 33:86-89, 1985.
- Philliber SG, Namerow PB, Jones JE: Age variation in use of a contraceptive service by adolescents. *Public Health Rep* 100:34-40, 1985.
- Reyes P, Jinadu O, Delano G, Weiss E: A field study of worker performance in a community-based health/family planning project, Oyo State, Nigeria. New York, New York, Columbia University, Center for Population and Family Health, 1985. (CPFH Working Paper No. 17)
- Rosenfield A: Benefits and risk of reversible contraception. In: *Gynecology and Obstetrics*. J.W. Sciarra (Editor). New York, New York, Harper and Row, 1985.
- Rosenfield A: Contraception: where are we in 1985? *Contemp Ob Gyn* 25:79-82, 85-91, 94, 1985.
- Rosenfield A, Maine D: Maternal mortality: a neglected tragedy. Where is the M in MCH? *Lancet* 2:83-85, 1985.

- Rosenfield A, Downs EF, Gorosh M, Barber-Madden R: Mothers, their children and families. In: Handbook of Health Care Services. S. Wolf (Editor). New York, New York, McGraw-Hill, 1985
- Rosenfield A, McNamara R: Community oriented health, nutrition and family planning services: overview and lessons from operations research. New York, New York, Columbia University, Center for Population and Family Health, 1985. (CPFH Working Paper No. 21)
- Ross JA: Overview. In: Studies to Enhance the Evaluation of Family Planning Programmes. New York, New York, United Nations. 1985.
- Ross JA: Pilot projects in Africa: review and synthesis. Washington D.C., World Bank, Population, Health and Nutrition Department, 1985. (PHN Technical Note No. 85-7) also published as CPFH Working Paper No. 24, New York, New York, Columbia University, 1985.
- Ross JA, Hong S, Huber D: Voluntary sterilization: an international fact book. New York, New York, Association for Voluntary Sterilization, 1985.
- Ross JA, Rosenfield A, Wray J, Lauro D: Community based distribution: a global review. New York, New York, Columbia University, Center for Population and Family Health, September, 1986. (CPFH Working Paper No. 28)
- Rosso P, Lederman SA: Nutrition and fetal growth. In: Advances in Perinatal Medicine, Vol. IV. A. Milunsky, E.A. Friedman, L. Gluck (Editors). New York, New York, Plenum Medical Books, 1985.
- Schwartz DB, Darabi KF: Motivations for adolescents' first visit to a family planning clinic. *Adolescence* 21:532-545, 1986.
- Shedlin MG, Wray JD, Correu S: Supervising community health workers in community-based delivery of primary health/family planning services: experiences in Mexico, 1977-1982. *Int Quart Community Health Educ* 6:309-322, 1985-1986.
- Tafforeau J, Daney AM, Allman S, Allman J: Attitudes toward and acceptance of DMPA in rural Haiti. New York, New York, Columbia University, Center for Population and Family Health, July, 1986. (CPFH Working Paper No. 26)
- Tittle-Cross A: Nutrition for the Working Woman. New York, New York, Simon and Schuster, 1986.
- Tittle-Cross A: Television's role in nutrition education. In: Nutrition Update, Vol. 2. J. Weininger, G.M. Briggs (Editors). New York, New York, John Wiley and Sons, 1985.
- Treadway JL, Lederman SA: The effects of exercise training on milk yield and milk composition in rats. *Fed Proc* 44:1675, 1985.
- Wawer MJ: Oral rehydration therapy: implementation issues in community-based distribution programs. In: Health and Family Planning in Community-Based Distribution Programs. M. Wawer, S. Huffman, D. Cebula, R. Osborn (Editors). Boulder, Colorado, Westview, 1985.
- Wawer MJ: Selection of family planning and health interventions for community-based distribution projects. In: Health and Family Planning in Community-Based Distribution Programs. M. Wawer, S. Huffman, D. Cebula and R. Osborn (Editors). Boulder, Colorado, Westview, 1985.
- Weatherby N: Applications of an IBM VM/CMS system. In: Introduction to Computing Applications for the Social Sciences. CM Tolbert II (Editor). Reading, Massachusetts, Addison-Wesley, 1985.
- Weatherby N: Communications between microcomputers. New Orleans, Louisiana, Tulane University, Institute for the Study of Change in the Americas, 1986. (ISCA Working Paper No. 5)
- Weatherby N, Fenn T, Elkins H: Microcomputers in survey research. *Center Soc Sci Newsletter* 4:12-15, 1985.
- Weeden D, Bennett A, Lauro D, Viravaidya M, Techo W: Community-based incentives: increasing contraceptive prevalence and economic opportunity. *Asia-Pacific Popul J* 1:31-46, 1986.
- Weiss E, Ayeni O, Ladipo OA, Bamgboye F: Nigeria: community-based family planning. *Salubritas* 9:1-2, 8, 1986.
- Weiss E: Operations research in health and family planning services: lessons learned in the Oyo State Project. In: Conference on the Oyo State CBD Project: Community-Based Delivery of Health and Family Planning Services, Proceedings, University and Ibadan Conference Center, January 14-16, 1985, Ibadan, Nigeria. Ibadan, Nigeria, University College Hospital, Fertility Research Unit, 1985.
- Weiss E, Ayeni O, Ladipo OA, Otolorin EO: Fertility and modern family planning in rural southwestern Nigeria. In: Conference on the Oyo State CBD Project: Community-Based Delivery of Health and Family Planning Services, Proceedings, University of Ibadan Conference Center, January 14-17, 1985, Ibadan, Nigeria. Ibadan, Nigeria, University College Hospital, Fertility Research Unit, 1985.
- Weiss E, Williams OO, Lapido OA: Analysis of service statistics, family planning acceptance in the Oyo State CBD project. In: Conference on the Oyo State CBD Project: Community-based Delivery of Health and Family Planning Services, Proceeding, University of Ibadan Conference Center, January 14-16, 1985, Ibadan, Nigeria. Ibadan, Nigeria, Univesity College Hospital, Fertility Research Unit, 1985.
- Winick M, Rosso P, Lederman SA: Pregnancy and lactation. In: Nutrition and Metabolism in Patient Care. Philadelphia, Pennsylvania, W.B. Saunders, 1986.
- Wray J: Community-based delivery of primary health care and family planning services: an historical and global overview. In: Conference on the Oyo State CBD Project: Community-Based Delivery of Health and Family Planning Services, Proceedings, University of Ibadan Conference Center, January 14-16, 1985, Ibadan, Nigeria. Ibadan, Nigeria, University College Hospital, Fertility Research Unit, 1985.
- Wray JD: Population and health. In: Contemporary International Health. TA Lambi, SB Day (Editors). New York, New York, Plenum, 1986.
- Wray JD: Supplementary feeding of pregnant and lactating women. In: Nutrition Interventions in Community and Agricultural Development Programs. Rome, Italy, United Nations. Food and Agriculture Organization, 1986.

CENTER FOR THE STUDY OF SOCIETY AND MEDICINE

- Brandt-Rauf, Sherry. Ethical Aspects of Reproductive Health in the Workplace, *Occupational Medicine*, 509 (1986).
- Halpern, Sue M. The Disorderly Universe of Consociational Democracy, *Journal of West European Politics*, Vol. 9, No. 2, April 1986.
- Kiceluk, Stephanie A. Science and Feeling: Communiqués from Medicine's Inner Worlds, *Michigan Quarterly Review*, 24:308-25, 1985.
- Rothman, David J. ECT: The Historical, Social, and Professional Sources of the Controversy, *Psychopharmacology Bulletin*, Vol. 22, 1986.
- Rothman, Sheila M. Going Public: Historical Perspectives on Working Women, *The American Journal of Psychoanalysis*, Vol. 45, 1985.
- Zussman, Robert. *Mechanics of the Middle Class: Work and Politics among American Engineers* (Berkeley: University of California Press, 1985).
-

INSTITUTE OF HUMAN NUTRITION

- Barbato GF, Steinberg L, and Marks-Kaufman R: Growth and metabolism in food- or water-restricted rats. FASEB Anaheim, CA 1985.
- Fennoy I, Marks-Kaufman R, Barbato GF, and Siegfeld A: Effect of naltrexone, an opiate antagonist, on serum somatomedin values in pregnancy. Second Joint Meeting of LWPES-ESPE Balto., MD 1985.
- Pi-Sunyer FX: Effect of exercise on food intake in human subjects. *Am. J. Clin. Nutr.* 42:983-990, 1985.
- Pi-Sunyer FX and Segal KS: After effects of exercise upon resting metabolic rate. *Am. J. Clin. Nutr.* 43:174-175, 1986.
- Steinberg L, Siegfeld A, Balmagiya T and Marks-Kaufman R: The influence of chronic naltrexone infusions on energy metabolism in pregnant rats. *Nutrition Reports International* 33:89-98, 1986.
- Torbay N, Bracco EF, Geliebter A, Stewart IM and Hashim SA: Insulin increases body fat despite control of food intake and physical activity. *Am. J. Physiol.* 248:R120-R124, 1985.
- Winick M: Ed., Series, *Current Concepts in Nutrition*: Vol. 15, *Nutrition and Exercise*. J. Wiley and Sons, Inc. NY 1986.

- Abbot SD, Docherty K, Roberts JL, Tepper MA, Chin WW, Clayton RN: Castration increases luteinizing hormone subunit messenger RNA levels in male rat pituitaries. *J Endocrinol* 107: R1-R4, 1985.
- Assoian RK: Biphasic effects of type beta transforming growth factor on epidermal growth factor receptors in NRK fibroblasts: functional consequences for epidermal growth factor-stimulated-mitosis. *J Biol Chem* 260:9613-9617, 1985.
- Assoian RK, Sporn MB: Type beta transforming growth factor in human platelets: release during platelet degranulation and action on vascular smooth muscle cells. *J Cell Biol* 102:1217-1223, 1986.
- Brown DB, Black EJ, Wolgemuth DJ, Ruddle FH: The *in vitro* activation of human sperm nuclei using *Xenopus Laevis* egg extract is inhibited by alkaline phosphatase. *J Cell Biol* 101:263a, 1985.
- Calvin HI, Grosshans K, Blake EJ: Estimation and manipulation of glutathione levels in prepubertal mouse ovaries and ova: relevance to sperm nucleus transformation in the fertilized egg: *Gamete Res* 14:265-276, 1986.
- Calvin HI, Medvedovsky C, Worgul BV: Near-total glutathione depletion and age-specific cataracts induced by buthionine sulfoximine in mice. *Science* 233:553-555, 1986.
- Derynck R, Jarrett JA, Chen EY, Eaton DH, Bell JR, Assoian RK, Roberts AB, Sporn MB, Goeddel DV: Human transforming growth factor-beta complementary DNA sequence and expression in normal and transformed cells. *Nature* 316:701-705, 1985.
- Ehrenkauf RLE, Hembree WC, Wolf AP: Factors influencing reactivity of thermal H (T) atoms with solids I. Physical effects. *J Lab Compounds* 22:819-832, 1985.
- Ehrenkranz JRL, Hembree WC: Effects of marijuana on male reproductive function. *Psychiat Annals* 16:243-248, 1986.
- Evinger MJQ, Schacter BS, Chen CLC, Roberts JL: Peptide Hormone Gene Expression in the Brain. In: *Brain Gene Expression*, Neurath and Walker (Eds). John Wiley & Sons, New York, 1985.
- Hembree WC, Dyrenfurth I: Testicular estrogens during long term gonadotropin therapy for infertility: relation to outcome. *J Androl* 6:46, 1985.
- Hembree WC, Clark AS, Clark AH: Micro-computer-assisted utilization analysis: changing patterns of health care in a Health Sciences Student Health Program. SCAMC, Abstract, October 1985.
- Huang HFS, Dyrenfurth I, Gunsalus GL, Hembree WC: Effect of vitamin A deficiency upon gonadotropin response to gonadotropin releasing hormone (GnRH) *Biol Reprod* 33:1176-1178, 1985.
- Jagiello GM, Fang JS, Ducayen MB, Sung WK: A discussion of the etiology of human trisomy 21. Chapter 1, *Proc Natl Down Syndrome Congress*, April 23-25, 1985. Pueschel SM, Tingey C, Rynders JE, Crocker AC, Crutcher DM (Eds.) Paul H. Brookes Publishing Co, Baltimore, Maryland.
- Millington WR, O'Donohue TL, Chappel MC, Roberts JL, Mueller GP: Coordinate regulation of peptide acetyltransferase activity and pro-opiomelanocortin gene expression in the intermediate lobe of the rat pituitary. *Endocrinology* 118:2024-2033, 1986.
- Roberts AB, Sporn MB, Assoian RK, Smith JM, Roche NS, Wakefield LM, Heine UI, Liotta LA, Falanga V, Kehrl JH and Fauci AS: Transforming growth factor type beta: rapid induction of fibrosis and angiogenesis *in vivo* and stimulation of collagen formation *in vitro*. *Proc Natl Acad (USA)* 83:4167-4171, 1986.
- Roberts JL, Wilcox JN: Analysis of specific mRNAs in individual cells. In: *Immunocytochemistry, Practical Applications in Pathology and Biology*, 2nd edition. Polak JM, Van Noorden S (Eds), John Wiley & Sons, 1985.
- Sporn MB, Roberts AB, Wakefield LM, Assoian RK: Transforming growth factor-beta: biological function and chemical structure. *Science* 233:532-534, 1986.
- Stoppelli MP, Corti A, Cassani G, Blasi F, Assoian RK: Differentiation-enhanced binding of the amino-terminal fragment of human urokinase plasminogen activator to a specific receptor on U937 monocytes. *Proc Natl Acad Sci (USA)* 82:4939-4943, 1985.
- Sung WK, Komatsu M, Jagiello G: The kinetics of the first wave of spermatogenesis in the newborn male mouse. *Gamete Res* 14:245-254, 1986.
- Sung WK, Van't Hof J, Jagiello G: DNA synthesis studies in premeiotic mouse oogenesis. *Exp Cell Res* 163:370-380, 1986.
- Wertheim I, Jagiello G: Ageing and aneuploidy in human oocytes and follicular cells. *J Gerontology* 41:567-573, 1986.
- Wilcox JN, Gee CE, Roberts JL: *In Situ* cDNA:mRNA hybridization in the pituitary and brain. In: *Methods in Enzymology*. Conn, M (Ed.), Academic Press, 1985.
- Wolgemuth DJ, Engelmyer E, Duggal RN, Gizang-Ginsberg E, Mutter GL, Ponzetto C, Viviano CM, Zakeri ZF: Isolation of a mouse cDNA coding for a developmentally-regulated testis specific transcript containing homeo box homology. *The EMBO Journal* 5, 1229-1235, 1986.
- Isolation and characterization of expressions of a homeo box-containing cDNA clone from a mouse testis cDNA library. *DNA* 5:86, 1986.
- Wolgemuth DJ, Engelmyer E: Developmental expression of a novel murine testis-specific transcript containing homeo box homology. *J Cell Biochem* 10D: 29, 1986.
- Wolgemuth DJ, Grills GS: Development of mouse embryos under conditions of reorientation relative to the gravity vector. ASGSB Annual Meeting, Charlottesville, Virginia, 1986.
- Wolgemuth DJ, Ponzetto C: *c-abl* is differentially expressed during mouse spermatogenesis. In: *Progress in Developmental Biology, Tenth International Congress of Int'l Society of Developmental Biologists*. Slavkin H (Ed), Alan R. Liss, Inc., New York, NY pp 249-252, 1986.

- Alvarez LA, Maytal J, Shinnar S: Idiopathic external hydrocephalus: Natural history and outcome. *Pediatrics* 77:901-907, 1986.
- Anderson VE, Hauser WA: Genetics of epilepsy. In: *Progress in Medical Genetics*, AG Bearn, B Childs and A Motulsky, eds. Philadelphia: Praeger, 9-52, 1985.
- Berland L, De Souza TG, Shapiro K, Walsh C, Saenger P, Shinnar S: Pheochromocytoma and multiple intracerebral aneurysms. *J Pediatrics* 108:947-949, 1986.
- Byrne J, Warburton D, Kline J, Blanc W, Stein ZA. Morphology of early fetal deaths and their chromosomal characteristics. *Teratology* 32:297-315, 1985.
- Constable J, Hatch MC: Reproductive effects of herbicide exposure in Vietnam. *Teratog Carcinogen, Mutagen* 5:231-250, 1985.
- Dulberg EM: Development of a model of the functional relationships between endemic goiter and the other iodine deficiency disorders (IDD). In: J Dunn, ed. *IDD Newsletter* 1(1): 6, August 1985.
- Durkin M: On residence and homicide in New York City. Letter to the editor. *Am J Pub Hlth*, 1986.
Review of Kern, Begab and Edgerton (eds.). *Environments and behavior: the adaptation of mentally retarded persons. Medical Anthropology Quarterly* 16, 3:82-83, 1985.
- Durkin M, Vance C, Susser M, Watson W: Infant to adult. In: *Sociology in medicine*, Third Edition, M Susser et al., eds. New York: Oxford University Press, 446-514, 1985.
- Flam R, Stein ZA: Behavior, infection and immune response: An epidemiological approach. In: *The Social Dimension of AIDS: Methods and Theory*, DA Feldman and TM Johnson, eds. New York: Praeger, 61-76, 1986.
- Gibbons A, Ng S, Brust JCM, Hauser WA: Adverse Perinatal events and adult onset first seizures. *Epilepsia* 26:522, 1985.
- Glick JH, Abeloff MD, Brown BW, Jr., Cobau CD, Johnson BL, Lichter AS, O'Bannon HB, Ottman R, Russo J, Singer K, Trafford A, Wood WC: Adjuvant chemotherapy for breast cancer. *JAMA* 254:3461-3463, 1985.
National Institutes of Health Consensus Development Conference Statement: Adjuvant Chemotherapy of Breast Cancer. September 9-11, 1985. *CA-A Cancer Journal for Clinicians* 36:42-47, 1986.
- Graziano JH, Popovac D, Murphy MJ, Colakovic B, Stein Z, Mehmeti A, Kline J, Ahmedi G, Rajovic B, Gasi E, Haxhiu R, Radovic L, Hoxha I, Zvicer Z, Popovac R, Bozovic R, Shrout P, Lo Iacono N: Environmental lead and pregnancy outcome, *Proceedings of the International Conference on Heavy Metals in the Environment*, TD Lekkas, ed. 1:414-416, 1985.
- Graziano JH, Popovac D, Murphy MJ, Colakovic B, Stein Z, Mehmeti A, Kline J, Ahmedi G, Rajovic B, Haxhiu R, Radovic L, Hoxha I, Zvicer Z, Gasi E, Popovac R, Bozovic R, Shrout P, Lo Iacono N: A prospective study of environmental lead and pregnancy outcome. *Fourth International Conference on Neurotoxicology in the Fetus and Child. Neurotoxicology (Abstracts) Vol. 7*, 1986.
- Hatch MC, Stein ZA: Agent Orange and risks to reproduction: The limits of epidemiology. *Teratogen, Carcinogen, Mutagen* 6:185-202, 1986.
Agents in the workplace and effects on reproduction. *Occup Med* 1:531-534, 1986
- Hauser WA: *Current Trends in Epilepsy: A Self-Study Course for Physicians*. New York: New York State Epilepsy Association, 1985.
- Hauser WA, Anderson VE: Genetics of epilepsy. In: *Recent Advances in Epilepsy—3*, TA Pedley and BJ Meldrum, eds. London: Churchill Livingstone, 21-36, 1985.
- Hauser WA, Annegers JF, Anderson VE, Kurland LT: The risk of seizure disorders among relatives of children with febrile convulsions. *Neurology* 35:1268-1273, 1985.
- Herman AAB, Wyndham CH: Infant mortality in the RSA 1970-1983. *S Afr Med J* 68:215-218, 1985.
- Kiely JL, Paneth N, Susser M: Preventability of fetal death during labor: epidemiologic studies and ongoing surveillance using New York City vital records. In: *Proceedings of the 1985 NCHS Conference on Records and Statistics*. DHHS Publication No. (PHS) 85-1214, December 1985.
- Kiely JL, Paneth N, Susser MW: Fetal death in labor: an epidemiologic indicator of level of obstetric care. *Amer J Ob Gyn* 153:721-727, 1985.
An assessment of the effects of maternal age and parity in different components of perinatal mortality. *Am J Epidemiol* 123:444-54, 1986.
- Kline J, Stein Z, Susser M, Warburton D: Fever during pregnancy and spontaneous abortion. *Am J Epidemiol* 121:832-42, 1985.
Induced abortion and the chromosomal characteristics of subsequent miscarriages (spontaneous abortions). *Am J Epidemiol* 123:1066-1079, 1986.
- Kline J, Stein ZA: Very early pregnancy. In: *Target Organ Toxicity*, RL Dixon, ed. New York: Raven Press, 251-264, 1985.
Environmental causes of aneuploidy: Why so elusive? In: *Aneuploidy, Basic Life Sciences*, Volume 36, VL Dellarco, PE Voytek and A Hollander, eds. New York: Plenum, 149-164, 1986.
- Kline J: Maternal occupation: Effects on spontaneous abortions and malformations. *State of Art Reviews: Occup Med* 3:381-403, 1986.
- Kushner M, Hauser WA: Transient global amnesia: a case-control study. *Ann Neurol* 18:684-691, 1985.
- Levin B, Kline J: The cusum test of homogeneity with an application in spontaneous abortion epidemiology. *Stat Med* 4:469-488, 1985.
- Maytal J, Shinnar S, Alvarez LA, Moshe SL: The low morbidity and mortality of status epilepticus in children and adolescents. *Ann Neurol* 20:388, 1986.
- Neugebauer R, Oppenheimer G, Susser M: Seizures in public places in New York City. *Am J Public Health* 76:115-119, 1986.
- Ng S, Hauser WA, Brust JCM, Healton EB, Susser M: Risk factors for adult-onset first seizures. *Ann Neurol* 18:153, 1985.
- Nicolosi AN, Hauser WA, Kurland LT: Reye syndrome: Incidence and time trends in Olmsted County, MN., 1950-1981. *Neurology* 35:1338-1340, 1985.
- Olarte MR, Shafer SQ: Levamisole is ineffective in amyotrophic lateral sclerosis. *Neurology* 35:1063-65, 1985.
- Ottman R, Hauser WA, Susser M: Genetic and maternal influences on susceptibility to seizures: an analytic review. *Am J Epidemiol* 122-923-39, 1985.
- Ottman R, Pike MC, King M-C, Casagrande J, Henderson BE: Familial breast cancer in a population-based series. *Am J Epidemiol* 123:15-21, 1986.
- Paneth N, Wallenstein S, Kiely J, Snook C, Susser M: Medical care and preterm infants of normal birth weight. *Pediatrics* 77 (2):158-66, 1986.
- Paneth N: The etiology of cerebral palsy. *Pediatr Ann* 15:191-210, 1986.
Birth and the origins of cerebral palsy. (Editorial) *N Engl J Med* 315:124-126, 1986.
- Paneth N, Wallenstein S: Extracorporeal membrane oxygenation and the play the winner rule. (Commentary.) *Pediatrics* 76:622-623, 1985.
- Pettifor JM, Stein H, Herman AAB, Ross FP, Blumfeld T, Moodley GP: Mineral homeostasis in very low birth weight infants fed either own mother's milk or pooled pasteurized preterm milk. *J Ped Gastroenterol Nutrit* 5:248-253, 1986.

- Risch N, Stein ZA, Kline J, Warburton D: The relationship between maternal age and chromosome size in autosomal trisomy. *Amer J Hum Genet* 39:68-78, 1986.
- Rush D, Kristal A, Blanc W, Navarro C, Chauhan P, Campbell-Brown M, Rosso P, Winick M, Brasel J, Naeye R, Susser M: The effects of maternal cigarette smoking during pregnancy on placental morphology, histomorphometry, biochemistry. *Am J Perinatol* 3:263-72, 1986.
- Shafer SQ, Stokman C, Shaffer D, Ng S, O'Connor PA, Schonfeld IS: Ten-year consistency of neurological test performance in children without focal neurological deficit. *Dev Med Child Neurol* 28:417-27, 1986.
- Shaffer D, Stokman C, O'Connor PA, Shafer SQ, Barmack JE, Hess S, Spalten D, Schonfeld IS: Early soft neurological signs and later psychopathology. In: *Life-span Research on the Prediction of Psychopathology*, L Erlenmeyer-Kimling and NE Miller, eds. Hillsdale, NJ: Lawrence Earlbaum Associates, 31-48, 1986.
- Shinnar S, Vining EPG, Mellits ED, D'Souza BJ, Holden K, Gaumgardner R, Freeman JM: Discontinuing antiepileptic medication in children with epilepsy after two years without seizures. *N Engl J Med* 313:976-980, 1985.
- Shinnar S, Zeitlin-Gross L, Moshe SL, Berg AT, Goldensohn E, Hauser WA: The low risk of seizure recurrence following a first unprovoked seizure in children and adolescents: A prospective study. *Ann Neurol* 20:388, 1986.
- The risk of seizure recurrence in untreated children following a first unprovoked idiopathic seizure. *Epilepsia* 27:615, 1986.
- Shinnar S, Maytal J, Alvarez LA, Moshe SL: Status epilepticus in children. *Epilepsia* 27:607, 1986.
- Stein ZA, Maine D. The health of women. *Int J Epidemiol* 15:303-305, 1986.
- Stein ZA, Susser MW, Hatch MC: Work during pregnancy: Physical and psychosocial strain. *Occup Med* 1:405-409, 1986.
- Working during pregnancy: Physical and Psychosocial Strain. *Occupational Medicine State of the Art Reviews* 1(3):405-09, 1986.
- Stein ZA, Stein W, Susser M: Attrition of trisomies as a screening device: an explanation of the association of trisomies with maternal age. *Lancet* i:944-946, 1986.
- Stein ZA, Susser MW: Effects of early nutrition on neurological and mental competence in human beings. *Psychol Med* 15:717-26, 1985.
- Effects of early nutrition on neurological and mental competence in human beings. *Psychol Med* 15:717-726, 1985.
- Stein H, Cohen D, Herman AAB, Rissik J, Ellis U, Bolton K, Pettifor J, MacDougall L: Pooled pasteurized breast milk and untreated own mother's milk in the feeding of very low birth weight babies: a randomized controlled trial. *J Ped Gastroenterol Nutrit* 5:242-247, 1986.
- Stokman C, Shafer SQ, Shaffer D, Ng S, O'Connor PA, Wolff RR: Assessment of 'neurological soft signs' in adolescents: reliability studies. *Dev Med Child Neurol* 28:428-39, 1986.
- Strobino B, Fox H, Kline J, Stein Z, Susser M, Warburton D: Characteristics of women with recurrent spontaneous abortions and women with favorable reproductive histories. *Am J Public Health* 8:986-991, 1986.
- Strobino B, Kline J, Lai A, Stein Z, Susser M, Warburton D: Vaginal spermicides and spontaneous abortion of known karyotype. *Am J Epidemiol* 123:431-43, 1986.
- Susser M: Separating heredity and environment. *Am J Prev Med* 1:5-23, 1985.
- Patient education: A public health point of view. *Bull NY Acad Med* 60:189-202, 1985.
- Epidemiology in the United States after World War II: The evolution of technique. *Epidemiol Rev* 7:147-77, 1985.
- Rules of inference in epidemiology. *Regulat Toxicol Pharmacol* 6:116-28, 1986.
- The logic of Sir Karl Popper and the practice of epidemiology. *Am J Epidemiol* 124:711-718, 1986.
- Susser M, Stein ZA: Invest in human beings and services. In: *Primary Health Care Pioneer. The Selected Works of Cecily D. Williams*, N Baumslag, ed. Washington D.C., 188, 1986.
- Susser MW, Hauser WA, Kiely JL, Paneth N, Stein Z: Quantitative estimates of prenatal and perinatal risk factors for perinatal mortality, cerebral palsy, mental retardation and epilepsy. In: *Prenatal and Perinatal Factors Associated with Brain Disorders*, JM Freeman, ed. Bethesda, National Institute of Child Health and Human Development, NIH Publication No. 85-1149, 359-439, 1985.
- Zubin J, Oppenheimer G, Neugebauer R: Degeneration theory and the stigma of schizophrenia. *Biol Psychiatry* 20:1145-11248, 1985.
- Ursell P, Byrne J, Strobino B: Significance of cardiac defects in the developing fetus: A study of spontaneous abortuses. *Circulation* 72:1232-1236, 1985.
- Vining EPG, Shinnar S, Mellits ED, Silverton S, Brandt J: Discontinuing antiepileptic drugs improves intellectual function. *Ann Neurol* 20:389, 1986.
- Warburton D, Kline J, Stein Z, Strobino B: Cytogenetic abnormalities in spontaneous abortions of recognized conceptions. In: *Perinatal Genetics: Diagnosis and Treatment*, IH Porter, NM Hatcher, M Willey, eds. New York: Academic Press, 23-40, 1986.
- Westbrook L, Shinnar S: Knowledge and adaptation in adolescents with idiopathic epilepsy. *Epilepsia* 27:619, 1986.

- Abelson DC, Vratsanos SM and Mandel ID: Modification of dental plaque by arginine-urea to resist pH fall. *Clin. Prev. Dent.*, 8:7-10, 1986.
- Bahn A, Fine DH, Goodman S, Loesch W and Nisengard R: Emphasis on chemical agents for the reduction of plaque. *JADA*, 112:18-28, 1986.
- Bailit IIL and Wilson AA: Dental services in the elderly population. In: *Geriatric Dentistry*. Holm-Pederson, P and Loe, H (eds). Munksgaard Int. Publ. Ltd., Copenhagen, 1986.
- Blechman, AM: Magnetic force in orthodontics: A pilot study. *Am. J. Orthodont.*, 87:201-210, 1985.
- Blitzer A, Baredes S, Kutscher AH, Seeland IB, Baret VW, and Mossman K (eds). *Rehabilitation of the Head and Neck Cancer Patient: Psychosocial Aspects*. Charles C Thomas Publishers, Springfield, 1986.
- Carr AC, Kutscher AH, and Meyer M (eds): *Bernard Schoenberg—Contributions to Psychiatry, Education, Thanatology, and Human Values*. The Foundation of Thanatology, New York, 1985.
- Charash LI, Bregman A, Prichard ER, Lovelace RE, Kutscher AH, and Kelemen, J (eds): *Muscular Dystrophy and Allied Diseases: Impact on Patients, Family, and Staff*. The Foundation of Thanatology, New York, 1986.
- Charash L, Lovelace R, Wolf S, Kutscher AH, Royce D, Leach C (eds): *Realities in Coping with Progressive Neuromuscular Diseases*. The Charles Press Publishers, Philadelphia, 1986.
- Davis, MJ: The missing child: What can we do? *NYSDJ*, 52(2):20-22, 1986.
- DeBellis R, Kutscher AH, Goldberg MR, Cherico DJ, Klagsbrun SC, and Prichard ER (eds): *Continuing Care: For the Dying Patient, Family, and Staff*. Praeger Publishers, New York, 1985.
- Dimond H Jr: Case report: Variation on the RPE. *J. Clin. Orthodont.*, September 1985.
- Dimond H Jr and Lin VS: Adult orthodontics-periodontics: A case report. *N.J. Dent. Assoc. J.* 57(2):62-64, 1986.
- DiSalvo NA: What is "successful" orthodontic treatment? *NYSDJ.*, 52:12-15, 1986.
- Dorscher-Kim J, Kim S, Schacter W and Trowbridge H: Physiological identification of alpha-1 receptors in pulpal vessels in dogs. *J Dent. Res* 64:309, 1985.
- Efstratiadis SS: The role of facial growth in orthodontic treatment. *NYSDJ*, 52:16-18, 1986.
- Fine DH, Letizia J and Mandel ID: The effect of rinsing with Listerine antiseptic on the properties of developing dental plaque. *J. Clin Periodont*, 12:660, 1985.
- Fine DH and Mandel ID: Indicators of disease activity: An evaluation. *J. Clin. Periodont.*, 13:533, 1986.
- Fine DH and Mendieta C: Attachment of gram-positive bacteria to enamel and cementum in vitro. *J. Dent. Res.*, 64:224, 1985.
- Finn WF, Tallmer M, Seeland IB, Kutscher AH and Clark EJ (eds): *Women and Loss*. Praeger Publishers, New York, 1985.
- Geiger AM: Orthodontic assistance in the restoration of adult dentitions II. Severely elongated posterior teeth. *NYSDJ*, 56:4, 1986.
- Gold S: Hans Sachs, Pioneer periodontologist and dental historian. *Bull. Hist. Dent*, 34:1, 1986.
- Goldberg IK, Kutscher AH, and Malitz S (eds): *Pain, Anxiety and Grief: Pharmacotherapeutic Care of the Dying Patient and the Bereaved*. Columbia University Press, New York, 1986.
- Goodman S: Is periodontal surgery really necessary? *Penn. Dent. J.*, 53:16, 1986.
- Gorelick L and Geiger A: Bonding for enhanced retention of removable appliances. *J. Clin. Orthodont.*, 20:6, 1986.
- Gullo SV, Patterson PR, Schowalter JE, Tallmer M, Kutscher AH and Buschman P (eds): *Death and Children: A Guide For Educators, Parents and Caregivers*. Tappan Press, New York, 1985.
- Hardy MA, Appel G, Kiernan J, Kutscher AH, Orr M, Smith-Torres C and Parsonnet L (eds): *Positive Aspects to Living with End-Stage Renal Disease: Psychosocial and Thanatologic Aspects*. Praeger Publishers, New York, 1986.
- Herter FP, Forde K, Mark L, DeBellis R, Kutscher AH and Selder FE (eds): *Human and Ethical Issues in the Surgical Care of Patients with Life-threatening Disease*. Charles C Thomas Publishers, Springfield, 1986.
- Hills HL: Posterior resin restorations in pediatric dentistry. *NYSDJ*, 52(2):36-38, 1986.
- Hills HL and David MJ: Conscious sedation: Its importance in pediatric dentistry. *Oral Health*, 76:19-20, 1986.
- Conscious sedation in pediatric dentistry. *NYSDJ*, 51(2):98-99, 1985.
- Horowitz SL and Linz AM: Orthognathic surgery: questions and answers for the general practitioner. *NYSDJ*, 52:24-25, 1986.
- Iacono VJ, Zove SM, Grossbard BL, Pollack JJ, Fine DH and Greene LS: Lysozyme-mediated aggregation and lysis of the periodontal microorganism *Capnocytophaga gingivalis* 2010. *Infect. Immun*, 47:457, 1985.
- Jackson LA: Mercury: Clinical considerations in dentistry for children. *NYSDJ* 52(2):24-26, 1986.
- Kamen PR, Caravena C and Fine DH: Actinobacillus binding to cementum: Effects on fibroblast attachment. *J. Dent. Res.*, 65:348, 1986.
- Kamen PR and Levenson IS: Inhibition of epithelial cell attachment by *A. actinomycetemcomitans*. *J. Periodont.*, 57:114, 1986.
- Kim S: Desensitization of pulpal sensory nerve. *J. Endodontics*, 12:482-485, 1986.
- Microcirculation of the dental pulp in health and disease. *J. Endodontics*, 11:465-471, 1985.
- Regulation of pulpal blood flow. *J. Dent. Res.*, 64:590-596, 1985.
- Thermal stimuli in dentinal sensitivity. *Endo. Dent. Traumatology*, 2:138-140, 1986.
- Kim S, Grayson A, Kim SB and Son HG: Effects of various impression techniques on pulpal blood flow in dogs. *J. Dent. Res.*, 64:236, 1985.
- Kim S, Kishi Y and Takahashi K: Structural and functional studies in microcirculation in the gingiva of dogs. *J. Dent. Res.*, 64:306, 1985.
- Kim S, Trowbridge H and Dorscher-Kim J: The effects of substance P on pulpal hemodynamics in dogs. *J. Dent Res.*, 64:310, 1985.
- The influence of 5-Hydroxytryptamine on blood flow in the dog pulp. *J. Dent. Res.*, 65(5):682-685, 1986.
- Kim SB, Baredes S and Kim S: Hemodynamics of squamous cell carcinoma in the rat palate. *J. Dent. Res.*, 64:267, 1985.
- Kishi Y, Kim S and Takahashi K: Heterogeneity of microcirculation in the dental pulp: structural and functional studies. *J. Dent. Res.*, 64:240, 1985.
- Klyvert M: Histology and embryology. In: *Comprehensive Review of Dental Hygiene*. Darby ML, Bushee EJ (eds), C.V. Mosby Co., St. Louis, 19-53, 1986.
- Langer B and Langer L: Subepithelial connective tissue graft technique for root coverage. *J. Periodont.*, 56:715, 1985.
- Langer B, Wagenberg and Langer L: The use of frozen autogenous bone in grafting procedures *Intl J. Perio and Rest. Dent.*, 2:69, 1986.
- Levenson IS and Kamen PR: Low concentrations of H₂O₂ cause cell death in human oral epithelial cells. *J. Dent. Res.*, 65:348, 1986.

- Levine MJ, Tabak LA, Reddy M and Mandel ID: Nature of salivary pellicles in microbial adherence: Role of salivary mucins. In: *Molecular Basis of Oral Microbial Adhesion*. S Mergenhagen and B Rosan (eds). Am. Soc. Microbiol., Washington, DC, pp 125-130, 1985.
- Levine WZ and Winter AA: Treated localized juvenile periodontitis without maintenance care—A 10-year study. *Perio Case Reports*, 8:29, 1986.
- Mandel ID: Maintaining oral health. In *The Columbia University College of Physicians and Surgeons Complete Home Medical Guide*. D Tapley, R Weiss and TQ Morris (eds), Crown Publishers, New York, pp 698-708, 1985.
- Mandel ID and Ellison SA: The biological significance of the non-immunoglobulin defense factors. In *The Lactoperoxidase System: Chemistry and Biological Significance*. KM Pruitt and JO Tenovuo (eds), Marcel Dekker, New York, pp 1-14, 1985.
- Mandel ID and Gaffar A: Calculus revisited: A review. *J. Clin. Periodont.*, 13:249-257, 1986.
- Marder MZ: AIDS: Control of dental office situation. *NYSDJ*, 56(5):170-175, 1986.
- Marder MZ, Barr CE and Mandel ID: Cytomegalovirus presence and salivary composition in acquired immunodeficiency syndrome. *Oral Med.*, 60:372-376, 1985.
- Margolis OS, Raether HC, Kutshcer AH, Klagsbrun SC, Marcus ER, Pine VR and Cherico DJ (eds): *Loss, Grief, and Bereavement: A Guide for Counseling*. Praeger Publishers, New York, 1985.
- Markowitz K and Kim S: The effects of various ionic solutions on pulpal nerve sensitivity. *J. Dent. Res.*, 64:309, 1985.
- Mascia V and Lemchen M: Audiovisual communication. *J. Clin. Orthodont.*, 20:412-413, 1986.
- Moorrees CFA, Kent RL, Efstratiadis SS and Reed RBT: Components of landmark movement during facial growth. *Netherlands Orthodontic Society*, pp 55-69, 1985.
- Morgan BLG, Kuyatt BL and Fink J: Effects of hypothyroidism on the DNA, carbohydrate, soluble protein and sialic acid contents of rat submandibular glands. *J Oral Pathol.*, 14:37-41, 1985.
- Morris ML: The inductive properties of human dentin and cementum. *J. Periodont*, 56:699-701, 1985.
- Moskow BS: Dentistry in Folk Art XXI: Le Sac Aux Idees. *Bull. Hist. Dent.*, 33:133, 1985.
- Dentistry in Folk Art XXII: Cavadenti. *Bull. Hist. Dent.*, 34:59, 1986.
- Healing potential in periodontal lesions: Localized Juvenile Periodontitis. *N. J. Dent. Assoc*, pp. 45-51, 1986.
- Repair of an extensive periodontal defect after tetracycline administration. *J. Periodont*, 57:29, 1986.
- Moss ML: Newer analytical models of craniofacial growth. *Acta Leopoldina NF*, 58:17-25, 1986.
- Moss ML: Moss-Salentijn L and Skalak R: Finite element modeling of craniofacial growth and development. In: *Orthodontics: State of the Art, Essence of the Science*. L. W. Graber (ed). C. V. Mosby, St. Louis, pp 143-168, 1986.
- Moss ML, Skalak, Patel H, Sen L, Moss-Salentijn L, Shinozuka M and Vilmann II: Finite element method modeling of craniofacial growth. *Am. J. Orthodont*, 87:453-472, 1985.
- Moss-Salentijn L: Anatomy and embryology. In: *Surgery of the Paranasal Sinuses*. A. Blitzer, W J. Friedman and W. Lawson (eds), W. B. Saunders, Philadelphia, 1985.
- Reattachment of muscles to developing cranial elements. *Nova Acta Leopoldina NF* 58(262): 257-265, 1986.
- Moss-Salentijn L and Hendricks-Klyvert M (eds): *Dental and Oral Tissues—An Introduction*, (2nd ed). Lea & Febiger, Philadelphia, 1985.
- Myers R: Child abuse and neglect: A dental obligation. *NYSDJ*, 56:1, 1986.
- My view, child abuse and neglect—A dental obligation. *ADA News*, May 19, 1986.
- Nakamura S, Kishi Y, Kim S and Takahashi K: Movement of tracers in the main duct of the parotid gland. *J. Dent. Res.*, 64:223, 1985.
- Odrich J: Barriers to preventive and periodontal care for the older population. *Spec. Care in Dent*, 6(3):109-111, 1986.
- Dental manpower planning: Can we ever get it right? *Publ. Health Pol.*, 6(4):539-552, 1985.
- Contracting in dental hygiene education. *Ed. Dir.*, 10(3):4-11, 1985.
- The dental hygienist: A primary care provider—Can dental hygienists affect the periodontal health of the nation? *J. Publ. Health Dept.*, 45:60-74, 1985.
- Schectman RL: A comprehensive orthodontic and prosthodontic treatment plan. *Quint Dent Tech.*, 9:303-309, 1985.
- Simchon S, Fan F-M, Chen RYZ, Kim S and Chien S: Effects of experimental hypotension on hemodynamics and renin secretion rate. *Circulatory Shock*, 15:27-36, 1985.
- Slomiany BL, Murty VLN, Zdebska E and Mandel ID: Tooth surface-pellicle lipids and their role in the protection of dental enamel against lactic acid diffusion in man. *Archs Oral Biol*, 31:187-191, 1986.
- Steinberg LM, Strom JL, Harbo JN and Mandel ID: The squirrel monkey as a model in gingivitis studies. *Quintessence Int.*, 17:113-118, 1986.
- Telsey B, Oshrain HI and Ellison SA: A simplified laboratory procedure to select an appropriate antibiotic for treatment of refractory periodontitis. *J Periodont.*, 57:325-327, 1986.
- Tillman, R: A dental health perspective: The consequences of an aging population. *NYSDJ* 51:413-416, 1985.
- Treatment planning for the marginally impaired older patient. *Spec. Care Dent.*, 6:219-222, 1986.
- Vratsanos SM and Mandel ID: Polyamines of dental plaque in caries resistant versus susceptible adults. *J. Dent. Res.*, 64:422-426, 1986.
- Wasserman B: *Root Scaling and Planing*. Quintessence Publ. Co., Chicago, 1986.
- Wayman DE: Baccalaureate dental hygiene education: Creating a reality. *J. Dent. Educ.*, 49(3):136-138, 1985.
- Faculty role consensus as a component of professional socialization. *Ed. Dir.*, 11:4-12, 1986.
- Graduate programs in the United States: Columbia University. *Ed. Update*, 4:3, 1985.
- Wilson AA and Branch LG: Factors affecting dental utilization of elders over the age of 75. *J. Dent. Ed.*, 50:673-677, 1986.
- Wolf SG, Kutscher AH, Seeland IB, Cherico DJ, Clark EJ and Marcus ER (eds): *The Community Hospital and its Expanding Role in Thanatology*. Charles C Thomas Publishers, Springfield, 1985.
- Zegarelli DJ: Burning mouth: An analysis of 57 patients. *Plastic and Reconstructive Surgery*, 76(5):805, 1985.
- Cases 23-25. In *Disorders of the Head and Neck (3rd series)* Syllabus, G D Potter, III (ed). American College of Radiology, Chicago, pp 440-473, 1985.

1986 PROFESSIONAL STAFF

Consultants

Harold G. Barker, M.D.
Surgery
C. Andrew L. Bassett, M.D.
Orthopedic Surgery
George A. Carden, M.D.
Medicine
Sidney Carter, M.D.
Neurology
Robert E. Carroll, M.D.
Orthopedic Surgery
John J. Conley, M.D.
Otolaryngology
David Cowen, M.D.
Pathology
M. Irene Ferrer, M.D.
Medicine
Henry Clay Frick, II, M.D.
Obstetrics & Gynecology
Alexander Garcia, M.D.
Orthopedic Surgery
Eli S. Goldensohn, M.D.
Neurology
David V. Habif, M.D.
Surgery
Lawrence C. Kolb, M.D.
Psychiatry
Raffaele Lattes, M.D.
Pathology
John K. Lattimer, M.D.
Urology
Edgar Leifer, M.D.
Medicine
Joseph Leavitt, D.D.S.
Dentistry
George R. Merriam, Jr., M.D.
Ophthalmology
Equinn W. Munnell, M.D.
Obstetrics & Gynecology
Bernard L. Pacella, M.D.
Psychiatry
Kermit L. Pines, M.D.
Medicine
Conrad L. Pirani, M.D.
Pathology
Robin M. Rankow, M.D., D.D.S.
Otolaryngology
Thomas V. Santulli, M.D.
Surgery
Edward B. Schlesinger, M.D.
Neurological Surgery
Hamilton Southworth, M.D.
Medicine
Frank E. Stinchfield, M.D.
Orthopedic Surgery
Carmine T. Vicale, M.D.
Neurology
Jules G. Waltner, M.D.
Otolaryngology
James A. Wolff, M.D.
Pediatrics

Consultants Emeriti

Hugh Auchincloss, M.D.
Surgery
Leslie P. Barker, M.D.
Dermatology
Viola W. Bernard, M.D.
Psychiatry
Stanley E. Bradley, M.D.
Medicine
Gordon M. Bruce, M.D.
Ophthalmology

Howard G. Bruenn, M.D.
Medicine
Stuart W. Cosgriff, M.D.
Medicine
Andre F. Cournand, M.D.
Medicine
George F. Crikelair, M.D.
Surgery
Edward C. Curnen, Jr., M.D.
Pediatrics
George E. Daniels, M.D.
Psychiatry
Robert C. Darling, M.D.
Rehabilitation Medicine
Felix E. Demartini, M.D.
Medicine
D. Anthony D'Esopo, M.D.
Obstetrics & Gynecology
Arthur Gerard De Voe, M.D.
Ophthalmology
Solon A. Ellison, D.D.S.
Dentistry
Charles W. Findlay, M.D.
Surgery
Charles A. Flood, M.D.
Medicine
Cushman D. Ilaagensen, M.D.
Surgery
Edgar C. Hanks, M.D.
Anesthesiology
George H. Humphreys, II, M.D.
Surgery
Harold W. Jacox, M.D.
Radiology
Vance Lauderdale, Jr., M.D.
Anesthesiology
Ferdinand F. McAllister, M.D.
Surgery
Lester C. Mark, M.D.
Anesthesiology
Richard L. Masland, M.D.
Neurology
J. Lowry Miller, M.D.
Dermatology
Melvin L. Morris, D.D.S.
Dentistry
Melvin L. Moss, D.D.S.
Dentistry
Lester A. Mount, M.D.
Neurological Surgery
Gabriel G. Nahas, M.D.
Anesthesiology
Shih-Hsun Ngai, M.D.
Anesthesiology
Charles A. Perera, M.D.
Ophthalmology
J. Lawrence Pool, M.D.
Neurological Surgery
Herbert Rackow, M.D.
Anesthesiology
Harry M. Rose, M.D.
Medicine
Solomon N. Rosenstein, D.D.S.
Dentistry
Fred Rothenberg, D.D.S.
Dentistry
Ernest Salanitro, M.D.
Anesthesiology
Henry G. Schaffeld, M.D.
Medicine
Albin R. Seidel, D.M.D.
Dentistry
Charles M. Steer, M.D.
Obstetrics & Gynecology
John V. Taggart, M.D.
Medicine

Samuel F. Thomas, M.D.
Neurology
Arthur B. Voorhees, M.D.
Surgery
Robert J. Weiss, M.D.
Psychiatry
Sidney C. Werner, M.D.
Medicine
Arthur R. Wertheim, M.D.
Medicine
DeGraaf Woodman, M.D.
Otolaryngology
Robert H. Wylie, M.D.
Surgery
Edward V. Zegarelli, D.D.S.
Dentistry

Anesthesiology

Director of Service

Edward D. Miller, M.D.

Attending Anesthesiologists

Henrik H. Bendixen, M.D.
Leonard Brand, M.D.
Mieczyslaw Finster, M.D.
Allen Hyman, M.D.
Eugene J. Pantuck, M.D.
Lubos Triner, M.D.

Associate

Attending Anesthesiologists

Keith Bernstein, M.D.
Donald C. Brody, M.D.
Arthur D. Finck, M.D.
Hoshang J. Khambatta, M.D.
Richard S. Matteo, M.D.
Leila M. Pang, M.D.
Hilda Pedersen, M.D.
Stanley H. Rosenbaum, M.D.
Peter T. Rothstein, M.D.
J. Gilbert Stone, M.D.
Jen Tien Wung, M.D.

Assistant

Attending Anesthesiologists

Jeffrey Askanazi, M.D.
Samuel M. Barst, M.D.
Janice M. Bitetti, M.D.
Dorothy A. Black, M.D.
Arvin H. Chin, M.D.
Kathryn Ann Cozine, M.D.
Michael C. Damask, M.D.
Ellise S. Delphin, M.D.
Stephanie M. Duberman, M.D.
Alber N. Faltas, M.D.
Ingrid A. Fitz-James M.D.
Geordie Grant, M.D.
Carolyn P. Greenberg, M.D.
John W. Hennessey, M.D.
Ina G. Lieberman, M.D.
Laurence P. Mark, M.D.
Patricia J. Martin, M.D.
Samantha Mullis, M.D.
Eugene Ornstein, M.D.
Richard K. Raker, M.D.
Howard L. Rosner, M.D.
Peter L. Salgo, M.D.
Alan Santos, M.D.
Gerald S. Weinberger, M.D.
Charles Weissman, M.D.
Sook Young Woo, M.D.
Joseph C-S Yang, M.D.
William L. Young, M.D.
Victor Zayas, M.D.

Assistant Anesthesiologists

Vincent N. Cirella, M.D.
Saundra E. Curry, M.D.
Douglas S. Green, M.D.

Full Professional Physicist

Alvin Wald, Ph.D.

Assistant

Professional Psychologist

Robert H. Dworkin, Ph.D.

Dentistry

Director of Service

Allan J. Formicola, D.D.S.

Attending Dentists

Jacob Abelson, D.D.S.
Harold Baurmash, D.D.S.
Stanislaw H. Brzustowicz, D.D.S.
Edward A. Cain, D.D.S.
Nicholas A. DiSalvo, D.D.S.
Robert Gottsegen, D.D.S.
Alvin J. Grayson, D.D.S.
Sidney L. Horowitz, D.D.S.
Norman Kahn, D.D.S.
George C. Kiriakopoulos, D.D.S.
Austin H. Kutscher, D.D.S.
John K. Lind, D.D.S.
John J. Lucca, D.D.S.
Irwin D. Mandel, D.D.S.
Louis Mandel, D.D.S.
Michael Z. Marder, D.D.S.
Henry I. Nahoum, D.D.S.
Louis I. Rubins, D.D.S.
Murray Schwartz, D.D.S.
Steven S. Scrivani, D.D.S.
Julius Tarshis, D.D.S.
Ennio L. Uccellani, D.D.S.

Associate Attending Dentists

Robert J. Berkowitz, D.D.S.
Thomas J. Cangialosi, D.D.S.
Mark S. Cohen, D.D.S.
Kourken A. Daglian, D.D.S.
Martin J. Davis, D.D.S.
Daniel Fine, D.D.S.
John E. Hutton, D.D.S.
David Kaplan, D.D.S.
Frances Karlan, D.D.S.
Eugene P. LaSota, D.D.S.
Lawrence Marder, D.D.S.
Guy D. Metcalf, D.D.S.
Dennis N. Morea, D.D.S.
Herbert Ostreicher, D.D.S.
John D. Piro, D.D.S.
Steven M. Roser, M.D., D.M.D.
John M. Scarola, D.D.S.
Robert N. Schiff, D.D.S.
Daniel D. Schube, D.D.S.
Boaz M. Shattan, D.D.S.
Morton J. Stern, D.D.S.
Paul Tannenbaum, D.D.S.
Nicholas Vero, D.D.S.
Stephen Wotman, D.D.S.
Jerome A. Zane, D.D.S.
David J. Zegarelli, D.D.S.
Albert N. Zengo, D.D.S.

Assistant Attending Dentists

Jerome Bartwink, D.D.S.
Mitchell L. Beck, D.D.S.
Jed M. Best, D.D.S.
Dory Calev, D.D.S.
John I. Cardillo, D.D.S.
Donald F. Cohen, D.D.S.

1986 PROFESSIONAL STAFF

Louis Colacicco, D.D.S.
 Susan J. Crawford-Lemell, D.D.S.
 Stella S. Efstratiadis, D.D.S.
 Armando R. Fernandez, D.D.S.
 Robert Gabriele, D.D.S.
 Norman Gold, D.D.S.
 Michael Golberg, D.D.S.
 Steven J. Goldberg, D.D.S.
 Allan D. Greenberg, D.D.S.
 Heidi Hills, D.D.S.
 Ian Y. Hu, D.D.S.
 Howard A. Israel, D.D.S.
 Lois Jackson, D.D.S.
 Margot Jaffe, D.D.S.
 Renee W. Joskow, D.D.S.
 Paul R. Kamen, D.D.S.
 Martin A. Kaminker, D.D.S.
 Susan Karabin, D.D.S.
 Syngcuk Kim, D.D.S.
 Irving Kittay, D.D.S.
 Veronique S. Krieger, D.D.S.
 David M. Kritchman, D.D.S.
 Laureen Langer, D.D.S.
 Robert G. Marcotullio, D.D.S.
 Mohsen Montaheni, D.D.S.
 Ronald Monteferrante, D.D.S.
 Ronnie Myers, D.D.S.
 Salvatore Napoli, D.D.S.
 Matthew Neary, D.D.S.
 Constance B. Phillips, D.D.S.
 Paul N. Rogow, D.D.S.
 Marc A. Rosenblum, D.M.D.
 Steven B. Syrop, D.D.S.
 Mark A. Tepper, D.D.S.
 Fred P. Tripodi, D.D.S.
 Peter Wang, D.D.S.
 Bertram J. Weissman, D.D.S.
 Ardell A. Wilson, D.D.S.

Assistant Dentists

Todd J. Berman, D.D.S.
 Claudia Kaplan, D.D.S.
 Robert S. Klotz, D.D.S.
 Allan J. Kucine, D.D.S.
 Steven J. Scrivani Jr., D.D.S.
 Jeffrey I. Stein, D.D.S.
 Gary W. Stern, D.D.S.
 Jeffrey M. Tulman, D.D.S.
 Barry Wolinsky, D.D.S.

Dermatology

Director of Service

Leonard C. Harber, M.D.

Attending Dermatologists

Irving Abrahams, M.D.
 Jack Eisert, M.D.
 Marc E. Grossman, M.D.
 Saul L. Sanders, M.D.
 Richard A. Walzer, M.D.
 Alexander W. Young, M.D.

Associate

Attending Dermatologist

Robert R. Walther, M.D.

Assistant

Attending Dermatologists

Alan D. Andrews, M.D.
 Robert B. Armstrong, M.D.
 William G. Atwood, M.D.
 Vincent S. Beltrani, M.D.
 Vincent A. DeLeo, M.D.
 Yehuda D. Eliezri, M.D.
 Eric W. Herman, M.D.

Einar A. Juhlin, M.D.
 Steven R. Kohn, M.D.
 Theodore A. Labow, M.D.
 Peter C. Lombardo, M.D.
 Jack H. Rozen, M.D.
 Paul I. Schneiderman, M.D.
 David N. Silvers, M.D.
 Gregory L. Zalar, M.D.

Associate Dermatologists

Robert P. Feinstein, M.D.
 Jeffrey S. Kezis, M.D.
 Harvey I. Weinberg, M.D.

Assistant Dermatologists

Johanna Baeuerle, M.D.
 Rhonda K. Berkowitz, M.D.
 Robert M. Bernstein, M.D.
 Stephen Billstein, M.D.
 Timothy J. Corey, M.D.
 William J. Cunningham, M.D.
 Leon K. Demar, M.D.
 Charles Halasz, M.D.
 Cheryl S. Hutt, M.D.
 Bruce Katz, M.D.
 Stanley J. Lewis, M.D.
 Amy E. Newburger, M.D.
 Joan P. Noroff, M.D.
 Joseph A. Penner, M.D.
 Douglas J. Pravda, D.O.
 Margaret S. Ravits, M.D.
 Kass Sadri, M.D.
 Joseph S. Shapiro, M.D.
 David Sibulkin, M.D.
 Jeffrey A. Sklar, M.D.
 Luis S. Suarez, M.D.
 Eugene W. Sweeney, M.D.
 Jo-Ann Szylit, M.D.
 Arnold C. Toback, M.D.
 Ruth K. Treiber, M.D.
 Gail B. Whitman, M.D.
 Steven Wolinsky, M.D.

Full Professional Mycologist

Margarita Silva-Hutner, Ph.D.

Medicine

Director of Service

Robert M. Glickman, M.D.

Attending Physicians

Qais Al-Awqati, M.D.
 Arthur Bank, M.D.
 Hylan A. Bickerman, M.D.
 J. Thomas Bigger Jr., M.D.
 John P. Bilezikian, M.D.
 Vincent P. Butler, M.D.
 Robert E. Canfield, M.D.
 Paul J. Cannon, M.D.
 Leonard Chess, M.D.
 Nicholas P. Christy, M.D.
 Stanley Cortell, M.D.
 John R. Edsall, M.D.
 Rose R. Ellison, M.D.
 Michael Field, M.D.
 Andrew G. Frantz, M.D.
 Jonas M. Goldstone, M.D.
 DeWitt S. Goodman, M.D.
 Peter R. Holt, M.D.
 Donald A. Holub, M.D.
 Israeli A. Jaffe, M.D.
 Abbie I. Knowlton, M.D.
 Robert I. Levy, M.D.

John Lindenbaum, M.D.
 Robert Lindsay, M.D.
 John N. Loeb, M.D.
 Jay I. Meltzer, M.D.
 Thomas Q. Morris, M.D.
 Jane H. Morse, M.D.
 Harold C. Neu, M.D.
 Elliott F. Osserman, M.D.
 Robert H. Palmer, M.D.
 Gerald B. Phillips, M.D.
 Richard N. Pierson Jr., M.D.
 F. Xavier Pi-Sunyer, M.D.
 Kenneth Sterling, M.D.
 Richard J. Stock, M.D.
 Joseph G. Sweeting, M.D.
 Donald F. Tapley, M.D.
 Robert N. Taub, M.D.
 Gerald E. Thomson, M.D.
 Gerard M. Turino, M.D.
 Theodore B. Van Itallie, M.D.
 I. Bernard Weinstein, M.D.
 Robert T. Whitlock, M.D.
 John A. Wood, M.D.

Associate Attending Physicians

Richard P. Ames, M.D.
 Gerald B. Appel, M.D.
 Leslie P. Baer, M.D.
 Conrad B. Blum, M.D.
 Ralph S. Blume, M.D.
 John O. Burris, M.D.
 Peter R. Caldwell, M.D.
 Michael H. Cohen, M.D.
 Randolph P. Cole, M.D.
 Ronald E. Drusin, M.D.
 Yale Enson, M.D.
 Dorothy Estes, M.D.
 Oliver T. Fein, M.D.
 Kenneth C. Fine, M.D.
 Edward E. Fischel, M.D.
 Thomas J. Garrett, M.D.
 Glenda J. Garvey, M.D.
 Elsa-Grace V. Giardina, M.D.
 Henry N. Ginsberg, M.D.
 Lionel Grossbard, M.D.
 Robert H. Heissenbittel, M.D.
 Wylie Hembree, M.D.
 George A. Hyman, M.D.
 Faramarz Ismail-Beigi, M.D.
 Thomas P. Jacobs, M.D.
 Kung-Ming Jan, M.D.
 Lynne L. Johnson, M.D.
 Karen L. Kaplan, M.D.
 Robert A. Kritzler, M.D.
 Oscar Lebowohl, M.D.
 William P. Lovejoy, M.D.
 David J. McConnell, M.D.
 George H. McCormack, M.D.
 George W. Melcher Jr., M.D.
 Clayton L. Natta, M.D.
 Hans W. Neuberg, M.D.
 Allen B. Nichols, M.D.
 Juan Oliver, M.D.
 Carmen Ortiz-Neu, M.D.
 Martin W. Oster, M.D.
 Eric R. Powers, M.D.
 James A. Reiffel, M.D.
 Stanley H. Rosenbaum, M.D.
 Stephen N. Rosenberg, M.D.
 Lawrence L. Scharer, M.D.
 Ethel S. Siris, M.D.
 Eve E. Slater, M.D.
 Frank R. Smith, M.D.

Jeffrey A. Stein, M.D.
 Alan R. Tall, M.D.
 Francis M. Weld, M.D.
 Earl A. Wheaton, M.D.

Assistant

Attending Physicians

Myles H. Akabas, M.D.
 Casco Alston, M.D.
 Terri F. Apfelbaum, M.D.
 Ilan Bank, M.D.
 Alfred Becker, M.D.
 Andrew D. Berke, M.D.
 Kapil N. Bhalla, M.D.
 Janice M. Bitetti, M.D.
 David K. Blood, M.D.
 Paul W. Brandt-Rauf, M.D.
 Peter J. Buchin, M.D.
 Gary R. Burke, M.D.
 L. David Carmichael, M.D.
 Rita A. Charon, M.D.
 Herbert S. Chase Jr., M.D.
 David J. Cohen, M.D.
 James Coromilas, M.D.
 Jorge L. Cortes-Quinones, M.D.
 Steven J. Corwin, M.D.
 Robert H. DeBellis, M.D.
 Richard B. Duane Jr., M.D.
 Juan G. Edreira, M.D.
 Juanita A. Evereteze, M.D.
 Seth D. Feltheimer, M.D.
 Jerry I. Gliklich, M.D.
 Ira J. Goldberg, M.D.
 Mark J. Goldberger, M.D.
 Steven Grant, M.D.
 Peter Green, M.D.
 Marc D. Grodman, M.D.
 Richard Haber, M.D.
 George C. Hennig, M.D.
 Alexander Hindenburg, M.D.
 Nancy F. Kahn, M.D.
 Andrew M. Keller, M.D.
 Thomas R. Kleyman, M.D.
 Rima G. Kopelman, M.D.
 Cheryl L. Kunis, M.D.
 Donald W. Landry, M.D.
 Rafael A. Lantigua, M.D.
 Jonathan D. Lapook, M.D.
 Daniel L. Larson, M.D.
 David S. Leibowitz, M.D.
 Benjamin H. Lewis, M.D.
 Robert Lewy, M.D.
 Arnold L. Lisio, M.D.
 Frank D. Livelli, Jr., M.D.
 Daniel L. Macken, M.D.
 Arthur M. Magun, M.D.
 William M. Manger, M.D.
 Aaron Manson, M.D.
 Roger A. Maxfield, M.D.
 Robert J. McConnell, M.D.
 Paul C. McCullough, M.D.
 J. Gregory Mears, M.D.
 Jacques P. Merab, M.D.
 Robin O. Motz, M.D.
 Alfred I. Neugut, M.D.
 John Owen, M.D.
 Constance M. Park, M.D.
 John E. Postley Jr., M.D.
 Kenneth M. Prager, M.D.
 Marshall P. Primack, M.D.

Alice S. Prince, M.D.
Barrie L. Raik, M.D.
Nicholas Rango, M.D.
Frederick A. Rapoport, M.D.
Robert W. Rees-Jones, M.D.
Dennis S. Reison, M.D.
Barry D. Rinker, M.D.
John L. Roglieri, M.D.
Mario F. Romagnoli, M.D.
Peter L. Salgo, M.D.
Lewis P. Schneider, M.D.
Harvey A. Schneier, M.D.
Stanley J. Schneller, M.D.
Larry L. Schulman, M.D.
Allan Schwartz, M.D.
Brian E. Scully, M.D.
Alan H. Seplowitz, M.D.
Elizabeth J. Shane, M.D.
Steven J. Shea, M.D.

William H. Sherman, M.D.
Jane S. Sillman, M.D.
Shonni Silverberg, M.D.
Marjorie C. Slankard, M.D.
Arthur I. Snyder, M.D.
Rafael Soltren, M.D.
Susan Steinberg, M.D.
Alfred Steiner, M.D.
Leonard Stern, M.D.
Mark B. Stoopler, M.D.
Ira A. Tabas, M.D.
Joseph Tenenbaum, M.D.
Byron M. Thomashow, M.D.
Cornelius J. Tyson, M.D.
Sharon Wardlaw, M.D.
Natalie J. Warner, M.D.
Rita M. Watson, M.D.
Christine Weart, M.D.
Charles Weissman, M.D.
Jack B. Weissman, M.D.
Gail S. Williams, M.D.
Chun K. Yip, M.D.

Associate Physicians

Marcia B. Bull, M.D.
Donna M. Hartl, M.D.
Alan L. Saroff, M.D.
Suzanne Stone, M.D.

Assistant Physicians

Michael H. Bar, M.D.
Howard J. Barnum, M.D.
Nancy M. Bennett, M.D.
Alexander C. Black, M.D.
Eric M. Bonnem, M.D.
Manuel R. Cabrera, M.D.
Martin F. Carr, M.D.
Amitabh Chak, M.D.
John T. Cole, M.D.
Anita Darmanian, M.D.
Anita Desai, M.D.
Arthur R. DeSimone, M.D.
Edward Eden, M.D.
David L. Feit, M.D.
Michael Goldman, M.D.
Susan M. Goodman, M.D.
Joseph Heller, M.D.
Ralph Herz Jr., M.D.
Evelyn M. Horn, M.D.
Seth Lederman, M.D.
Laureano Lopez-Garrido, M.D.
Pier L. Mancusi-Ungaro, M.D.
Mato L. Marinovich, M.D.
Carlton McGregor, M.D.
Stephen A. Morris, M.D.

Michael J. Muschel, M.D.
Edward J. Parrish, M.D.
Daniel Popenoe, M.D.
Milovan T. Rakic, M.D.
Morris R. Rapoport, M.D.
Marguerite M. Ricciardone, M.D.
John M. Rodgers, M.D.
Marlon S. Rosenbaum, M.D.
Paul B. Rothman, M.D.
Robert B. Roven, M.D.
Deborah Rund, M.D.
Richard H. Runser, M.D.
David I. Sahar, M.D.
Richard A. Shlofmitz, M.D.
Jonathan S. Steinberg, M.D.
Adele C. Tedeschi, M.D.
Janet Van Adelsberg, M.D.
Kevin J. Williams, M.D.
Joseph Yu, M.D.

Microbiology

Full Professional Microbiologist
Paul D. Ellner, Ph.D.

Neurological Surgery

Director of Service
Bennett M. Stein, M.D.

Attending Neurological Surgeons

Peter W. Carmel, M.D.
James W. Correll, M.D.
Edgar M. Housepian, M.D.

Associate Attending Neurological Surgeons
James G. McMurtry III, M.D.
W. Jost Michelsen, M.D.
Kalmon D. Post, M.D.
Donald O. Quest, M.D.

Assistant Attending Neurological Surgeons
Ronald Brisman, M.D.
Robert A. Solomon, M.D.

Neurology

Director of Service
Lewis P. Rowland, M.D.

Attending Neurologists

Carl W. Braun, M.D.
John C. Brust Jr., M.D.
Abe M. Chutorian, M.D.
Darryl DeVivo, M.D.
Stanley Fahn, M.D.
Arnold P. Gold, M.D.
James F. Hammill, M.D.
W. Allen Hauser, M.D.
Robert E. Lovelace, M.D.
Jay P. Mohr, M.D.
Timothy A. Pedley, M.D.
Audrey S. Penn, M.D.
Daniel Sciarra, M.D.

Associate Attending Neurologists
Robert E. Barrett, M.D.
Lucien J. Cote, M.D.
Robert A. deNapoli, M.D.
Michael R. Fetell, M.D.

Edward B. Heaton, M.D.
William G. Johnson, M.D.
Stanley Lesse, M.D.
Linda D. Lewis, M.D.
Richard P. Mayeux, M.D.
James R. Miller, M.D.
Joseph L. O'Brien, M.D.
Marcelo R. Olarte, M.D.
C. Dominique Toran-Allerand, M.D.
Roger D. Traub, M.D.
Hyman G. Weitzen, M.D.
Joseph H. Willner, M.D.

Assistant Attending Neurologists

Gary M. Abrams, M.D.
Alfred C. Bannerman, M.D.
Frank K. Boschenstein, M.D.
Susan B. Bressman, M.D.
Mitchell F. Brin, M.D.
Carolyn L. Britton, M.D.
Bertel Bruun, M.D.
Robert E. Burke, M.D.
Sidney M. Cohen, M.D.
Ronald G. Emerson, M.D.
Matthew E. Fink, M.D.
Bruce J. Fisch, M.D.
Eugenia T. Gamboa, M.D.
Joseph Herbert, M.D.
Stanley B. Holstein, M.D.
Ram Kairam, M.D.
Dale J. Lange, M.D.
Norman Latov, M.D.
Theodore A. List, M.D.
Steven G. Pavlakis, M.D.
Charles R. Plank, M.D.
Michael Pranzatelli, M.D.
Aaron Rabin, M.D.
Stanley R. Resor, M.D.
Kuldip K. Sachdev, M.D.
Joseph A. Sgro, M.D.
Stephen Q. Shafer, M.D.
Thomas K. Tatemichi, M.D.

Associate Neurologists

Stephen C. Klass, M.D.
Laura Lennihan, M.D.
Seth Pullman, M.D.
Bruce Roseman, M.D.
Ariel Sherbany, M.D.
Robert R. Wolff, M.D.
Jan B. Wollack, M.D.

Assistant Neurologists
Lawrence M. Brass, M.D.
Damon M. Fellman, M.D.
Todd C. Sacktor, M.D.
Gerald Smallberg, M.D.

Assistant Professional Electromyographer
Antonio Uncini, M.D.

Obstetrics/Gynecology

Director of Service
Mortimer G. Rosen, M.D.

Attending Obstetricians & Gynecologists
Georgiana Jagiello, M.D.
Robert S. Neuwirth, M.D.
Allan G. Rosenfield, M.D.
W. Duane Todd, M.D.

Associate Attending Obstetricians & Gynecologists

Bruce A. Barron, M.D.
Edward T. Bowe, M.D.
Harold E. Fox, M.D.
Vincent J. Freda, M.D.
Raphael Jewelewicz, M.D.
Richard U. Levine, M.D.
Jack E. Maidman, M.D.
Raymond M. McCaffrey, M.D.
David B. Moore, M.D.
Abraham Risk, M.D.
Sidney J. Siegel, M.D.
Wolfgang Tretter, M.D.
Ming-Neng Yeh, M.D.

Assistant Attending Obstetricians & Gynecologists

Laxmi V. Baxi, M.D.
Frederick A. Gonzalez, M.D.
Marvin H. T. Grody, M.D.
Nabil Husami, M.D.
Hilda Y. Hutcherson, M.D.
Amalia C. Kelly, M.D.
Phyllis Leppert, M.D.
Andrew Loucopoulos, M.D.
Elyne B. Margulis, M.D.
Kevin B. Reilly, M.D.
David L. Rosenfeld, M.D.
Haider H. Shamsi, M.D.
Jen-Ta Shen, M.D.
Meredith Sirmans, M.D.
Harold Speert, M.D.
Pamela J. Tropper, M.D.
Carolyn Westhoff, M.D.
Alfred J. Williams, M.D.

Associate Obstetrician & Gynecologist
Lawrence J. Severino, M.D.

Assistant Obstetricians & Gynecologists

Hussein K. Amin, M.D.
Jody S. Blanco, M.D.
Elisa E. Burns, M.D.
Kok Chung Chang, M.D.
Wendy Chavkin, M.D.
Dan Farine, M.D.
Paul R. Gindoff, M.D.
Claudia Holland, M.D.
Patricia L. Hughes, M.D.
Unjeria C. Jackson, M.D.
Steven G. Kaali, M.D.
Anita P. Lasala, M.D.
Kevin D. Reilly, M.D.
Malca Sane, M.D.
Varsha K. Saraf, M.D.
Henry A. Sellner, M.D.
Leonardo J. Yunis, M.D.

Visiting Associate Obstetrician & Gynecologist
Ilan E. Attetimor, M.D.

Ophthalmology

Director of Service
Charles J. Campbell, M.D.

Attending Ophthalmologists
Anthony Donn, M.D.
Max Forbes, M.D.

Peter Gouras, M.D.
 Frederick A. Jakobiec, M.D.
 Ira Snow Jones, M.D.
 Philip Knapp, M.D.
 Francis A. L'Esperance, M.D.
 Harold F. Spalter, M.D.
 Stephen L. Trokel, M.D.

Associate

Attending Ophthalmologists

Myles M. Behrens, M.D.
 Brian J. Curtin, M.D.
 Richard W. Darrell, M.D.
 Andrew DeRoeth Jr., M.D.
 John W. Espy, M.D.
 R. Linsy Farris, M.D.
 Frank B. Hoefle, M.D.
 George M. Howard, M.D.
 Balachandran D. Srinivasan, M.D.
 R. David Sudarsky, M.D.

Assistant Attending Ophthalmologists

Howard M. Eggers, M.D.
 Albert J. Hofeldt, M.D.
 William A. James, M.D.
 Rainer N. Mittl, M.D.
 Hugh M. Moss, M.D.
 Louis D. Pizzarello, M.D.
 Emil Wirostko, M.D.

Associate Ophthalmologists

Rajendra K. Bansal, M.D.
 Martin L. Leib, M.D.
 Ram P. Tiwari, M.D.

Assistant Ophthalmologists

Richard D. Banyard, M.D.
 Lisa G. Barbera, M.D.
 Arthur M. Cotliar, M.D.
 Stephen Doro, M.D.
 Pamela F. Gallin, M.D.
 Donald H. Green, M.D.
 Richard G. Lennon, M.D.
 Cynthia J. MacKay, M.D.
 John C. Merriam, M.D.
 Jeffrey G. Odel, M.D.
 Lawrence G. Pape, M.D.
 Lance D. Redler, M.D.
 Jaime Santamaria II, M.D.
 R. Theodore Smith, M.D.
 Robert T. Spector, M.D.
 Dean E. Stetz, M.D.
 Michael Weiss, M.D.

Orthopedic Surgery

Director of Service

Harold M. Dick, M.D.

Attending Orthopedic Surgeons

David L. Andrews, M.D.
 Nas S. Eftekhari, M.D.
 S. Ashby Grantham, M.D.
 Charles S. Neer II, M.D.

Associate Attending Orthopedic Surgeons

John R. Denton, M.D.
 Rosamond Kane, M.D.
 Hugo A. Keim, M.D.
 Raphael K. Levine, M.D.
 Keith D. McElroy, M.D.
 Marvin L. Shelton, M.D.

Assistant Attending Orthopedic Surgeons

Louis U. Bigliani, M.D.
 Peter N. Carbonara, M.D.
 Jean-Pierre Farcy, M.D.
 Merle H. Katzman, M.D.
 Michael A. Kelly, M.D.
 Howard A. Kiernan, M.D.
 Stephen J. McIlveen, M.D.
 Christopher B. Michelsen, M.D.
 James C. Parkes II, M.D.
 Andrew H. Patterson, M.D.
 Robert M. Reiss, M.D.
 Melvin P. Rosenwasser, M.D.
 David P. Royce Jr., M.D.
 Martin L. Sorger, M.D.
 Ronald Tietjen, M.D.
 Joel D. Weinstein, M.D.

Assistant

Orthopedic Surgeons

Steven Berkowitz, M.D.
 Robert L. Boothe, M.D.
 Michael J. Bronson, M.D.
 Robert N. Dunn, M.D.
 Stuart J. Fischer, M.D.
 Richard E. Fleming Jr., M.D.
 Craig R. Foster, M.D.
 Charles B. Goodwin, M.D.
 Armen C. Haig, M.D.
 William G. Hamilton, M.D.
 James S. Kort, M.D.
 Lawrence A. Lefkowitz, M.D.
 Francis X. Mendoza, M.D.
 Harvey Orlin, M.D.
 Walter J. Pedowitz, M.D.
 Thomas A. Rago, M.D.
 Thomas D. Rodda, M.D.
 Edward B. Self Jr., M.D.
 Hervey S. Sicherman, M.D.
 David M. Smith, M.D.
 Francesca M. Thompson, M.D.
 Luther F. Warren, M.D.

Full Professional

Biomedical Engineers

W. Michael Lai, Ph.D.
 Van C. Mow, Ph.D.

Otolaryngology

Director of Service

Maxwell Abramson, M.D.

Attending Otolaryngologists

Andrew Blizter, M.D.
 Robert M. Hui, M.D.
 Malcolm H. Schvey, M.D.

Associate

Attending Otolaryngologists

Steven M. Roser, M.D.
 Lawrence Savetsky, M.D.

Assistant

Attending Otolaryngologists

Soly Baredes, M.D.
 Hyun T. Cho, M.D.
 Lee D. Eisenberg, M.D.
 Judith Jay, M.D.
 Barry Shapiro, M.D.
 Raymond B. Strauss, M.D.
 Jack J. Wazen, M.D.

Assistant Otolaryngologists

David A. Abraham, M.D.
 Michael F. Angel, M.D.

Paul J. Carniol, M.D.
 Anthony P. Caruso, M.D.
 Vincent G. Caruso, M.D.
 Jason P. Cohen, M.D.
 Alan L. Jacobson, M.D.
 Daniel J. Pender, M.D.
 David S. Schuster, M.D.

Pathology

Director of Service

Michael L. Shelanski, M.D.

Attending Pathologists

John J. Fenoglio Jr., M.D.
 Gabriel C. Godman, M.D.
 Austin D. Johnston, M.D.
 Luciano Ozzello, M.D.
 Karl H. Perzin, M.D.
 Ralph M. Richart, M.D.

Associate

Attending Pathologists

Thomas A. Blumenfeld, M.D.
 Richard F. Defendini, M.D.
 Jay H. Lefkowitz, M.D.
 Ricardo Mesa-Tejada, M.D.

Assistant

Attending Pathologists

James H. Brassel, M.D.
 Jerome Owen Cantor, M.D.
 John A. Chow, M.D.
 Margaret H. Collins, M.D.
 Christopher P. Crum, M.D.
 Vivette D. D'Agati, M.D.
 Daniel J. Fink, M.D.
 Margaret M. Grimes, M.D.
 Arthur P. Hays, M.D.
 Charles C. Marboe, M.D.
 Merlin D. Marquardt, M.D.
 Kathleen M. O'Toole, M.D.
 May Parisien, M.D.
 Philip C. Ursell, M.D.

Pediatrics

Director of Service

Michael Katz, M.D.

Attending Pediatricians

Russell S. Asnes, M.D.
 Arthur D. Bloom, M.D.
 Louis Z. Cooper, M.D.
 Nicholas Cunningham, M.D.
 William J. Davis, M.D.
 Ralph B. Dell, M.D.
 Darryl DeVivo, M.D.
 John M. Driscoll Jr., M.D.
 Anne A. Gershon, M.D.
 Welton M. Gersony, M.D.
 Sylvia P. Griffiths, M.D.
 Jerry C. Jacobs, M.D.
 L. Stanley James, M.D.
 Lenore S. Levine, M.D.
 Robert B. Mellins, M.D.
 Sergio Piomelli, M.D.
 Michael R. Rosen, M.D.
 Gloria O. Schrager, M.D.
 Joseph A. Silverman, M.D.
 Anneliese L. Sitarz, M.D.
 Myron Winick, M.D.

Associate

Attending Pediatricians

Fred A. Agre, M.D.
 Robert E. Appleby, M.D.
 Stephen J. Atwood, M.D.
 William A. Bauman, M.D.
 Jennifer J. Bell, M.D.
 Frederick M. Bombardieri, M.D.
 Solomon J. Cohen, M.D.
 Richard J. Deckelbaum, M.D.
 Charles H. Feldman, M.D.
 Gabriel Haddad, M.D.
 Constance J. Hayes, M.D.
 William C. Heird, M.D.
 Allan Hordof, M.D.
 Matilde Irigoyen, M.D.
 John J. Kangos, M.D.
 Kenneth Katz, M.D.
 Ehud Krongrad, M.D.
 George M. Lazarus, M.D.
 Jeffrey M. Lipton, M.D.
 Harriet E. McGurk, M.D.
 Gilbert W. Mellin, M.D.
 Adrien C. Moessinger, M.D.
 Akira Morishima, M.D.
 Martin A. Nash, M.D.
 John F. Nicholson, M.D.
 Michael Novogroder, M.D.
 Nigel S. Paneth, M.D.
 Jane Pitt, M.D.
 Tove S. Rosen, M.D.
 Karl F. Schulze, M.D.
 Jack G. Shiller, M.D.
 Raymond L. Stark, M.D.
 Stephen F. Wang, M.D.
 Doris L. Wethers, M.D.
 Philip R. Ziring, M.D.

Assistant

Attending Pediatricians

Linda J. Addonizio, M.D.
 Dennis Allendorf, M.D.
 Rose G. Ames, M.D.
 Robert Antar, M.D.
 Kwame Anyane-Yeboah, M.D.
 Gaya S. Aranoff, M.D.
 Robyn J. Barst, M.D.
 Michael K. Bartalos, M.D.
 Alia Bazzi-Asaad, M.D.
 Fredrick Bierman, M.D.
 Alexander Blum Jr., M.D.
 Matilda B. Brust, M.D.
 Roger S. Challop, M.D.
 William J. Chernack, M.D.
 Dennis Davidson, M.D.
 Leslie L. Davidson, M.D.
 Christine M. Donnelly, M.D.
 Yvonne T. Driscoll, M.D.
 T. Donald Eisenstein, M.D.
 Candice J. Erickson, M.D.
 Burton M. Feinsmith, M.D.
 Bernard R. Feldman, M.D.
 James H. Garvin, M.D.
 Marguerite J. Gates, M.D.
 Thurman B. Givan Jr., M.D.
 Stephen Glaser, M.D.
 Burton Grebin, M.D.
 Bertram H. Grossman, M.D.
 Ludovico Guarini, M.D.
 Sarnistha B. Hauger, M.D.
 Anne Hurlet-Jensen, M.D.
 Ram Kairam, M.D.
 Sudha Kashyap, M.D.

1986 PROFESSIONAL STAFF

Philip Kazlow, M.D.
Murray D. Kuhr, M.D.
Betty C. Kuo, M.D.
Philip S. LaRussa, M.D.
Norma B. Lerner, M.D.
Joseph S. Levy, M.D.
Carol Kay Lissenden, M.D.
Neil Lombardi, M.D.
Peter M. Luckett, M.D.
Andrea M. Marks, M.D.
Armond V. Mascia, M.D.
Mona Milstein, M.D.
Harriette R. Mogul, M.D.
Richard L. Mones, M.D.
Stanley C. Morrison, M.D.
Mary Murphy, M.D.
Sharon E. Oberfield, M.D.
Celia Ores, M.D.

Herbert E. Poch, M.D.
Irwin Redlener, M.D.
Joan A. Regan, M.D.
Roderick C. Richards, M.D.
John S. Rosmaita, M.D.
Boris Rubinstein, M.D.
Nan R. Salamon, M.D.
Ulana M. Sanocka, M.D.
Malcolm S. Schwartz, D.O.
Robert L. Seigle, M.D.
Kung-Tso Sheng, M.D.
David Siegler, M.D.
William H. Smith, M.D.
Susan Spear, M.D.
Thomas J. Starc, M.D.
Harold Starkman, M.D.
Margaret A. Stillman, M.D.
Lucy H. Swift, M.D.
Martin B. Vita, M.D.
David H. Wisotsky, M.D.

Associate Pediatricians

Lilian W. Chiu, M.D.
Maryann J. Colenda, M.D.
John L. Costa, M.D.
Robert A. Hands, M.D.
Alan I. Kanter, M.D.
Kusum Khanna, M.D.
Elaine C. Lee, M.D.
Judith E. Luskin, M.D.
Peter F. Migel, M.D.
Robert Schwartz, M.D.

Assistant Pediatricians

Elaine J. Abrams, M.D.
Stephen M. Arpadi, M.D.
Francine Blei, M.D.
Dennis A. Brown, M.D.
Jocelyn Brown, M.D.
Kuang-Chung Hu Chien, M.D.
Larry P. Dana, M.D.
Denis Dilallo, M.D.
Lon M. Dubey, M.D.
Ann Louise Engelland, M.D.
Bernard Etra, M.D.
Catherine A. Hansen, M.D.
Stuart Kaufman, M.D.
Barbara A. Kelly, M.D.
Yukiko Kimura, M.D.
Rosemary E. Klenk, M.D.
Michael L. Lapkin, M.D.
Dorothy A. Levine, M.D.
Neil L. Minikes, M.D.
Theodore Misailides, M.D.
Carlyn A. Oppedisano, M.D.
Agathe Pachnis, M.D.

Robert E. Parnes, M.D.
Kenneth J. Pituch, M.D.
Morton H. Rachelson, M.D.
Andrew D. Racine, M.D.
I. Jill Ratner, M.D.
Rolalinda Rubinstein, M.D.
Gail Schewitz, M.D.
Bruce I. Schulman, M.D.
Mitchell E. Stern, M.D.
Barbara E. Strassberg, M.D.
Lynn M. Sugarman, M.D.
Millicent Sutton, M.D.
Sandy I. Tarant, M.D.
Nikki L. Timko, M.D.
Mary G. Versfelt, M.D.
Tova G. Yellin, M.D.
Eric R. Yorke, M.D.
Adel M. Zaouk, M.D.

**Visiting Attending
Assistant Pediatrician**
John C. Dower, M.D.

Pharmacology

**Full Professional
Pharmacologist**
Brian F. Hoffman, M.D.

Psychiatry

Director of Service
Herbert Pardes, M.D.

Attending Psychiatrists

Hector Bird, M.D.
James L. Curtis, M.D.
Richard G. Druss, M.D.
Harlow D. Dunton, M.D.
Ronald R. Fieve, M.D.
Archie R. Foley, M.D.
Richard A. Gardner, M.D.
Lothar Gidro-Frank, M.D.
Alexander H. Glassman, M.D.
Murray Glusman, M.D.
Joseph Jaffe, M.D.
Eric R. Kandel, M.D.
Clarice J. Kestenbaum, M.D.
Donald F. Klein, M.D.
Donald S. Kornfeld, M.D.
Alexander N. Levay, M.D.
Robert S. Liebert, M.D.
Roger MacKinnon, M.D.
Sidney Malitz, M.D.
Helen C. Meyers, M.D.
Ethel S. Person, M.D.
Frederic M. Quitkin, M.D.
John D. Rainer, M.D.
James H. Ryan, M.D.
David Shaffer, M.D.
Robert L. Spitzer, M.D.
Ralph N. Wharton, M.D.

Associate

Attending Psychiatrists

Miron Baron, M.D.
Clemens C. Beels, M.D.
Anne E. Bernstein, M.D.
Ian A. Canino, M.D.
William J. Chambers, M.D.
Jerry B. Finkel, M.D.
David Forrest, M.D.
Rodman Gilder Jr., M.D.

Robert A. Glick, M.D.
Jack M. Gorman, M.D.
Arthur Green, M.D.
Laurence L. Greenhill, M.D.
Stanley S. Heller, M.D.
Steven E. Hyler, M.D.
Frederic I. Kass, M.D.
Neil B. Kavey, M.D.
Samuel C. Klagsbrun, M.D.
Thomas Kranjac, M.D.
Stephan J. Levitan, M.D.
Alan M. Levy, M.D.
Michael R. Liebowitz, M.D.
Eric R. Marcus, M.D.
Jerrold S. Maxmen, M.D.
Michael R. Milano, M.D.
John F. O'Connor, M.D.
John M. Oldham, M.D.
Seymour C. Post, M.D.
Ronald O. Rieder, M.D.
Andrew E. Skodol II, M.D.
Henry I. Spitz, M.D.
B. Timothy Walsh, M.D.
Josef H. Weissberg, M.D.
Daniel T. Williams, M.D.

Assistant

Attending Psychiatrists

Harry D. Albert, M.D.
Carmen M. Alonso, M.D.
Stan D. Arkow, M.D.
Morton J. Aronson, M.D.
John A. Atchley, M.D.
Athanasia Balkoura, M.D.
John J. Barsa, M.D.
Leah Beck, M.D.
Robinette N. Bell, M.D.
Stephen L. Bennett, M.D.
Raymond Bernick, M.D.
Carol A. Bernstein, M.D.
Stanley Bone, M.D.
Edward N. Brennan, M.D.
Richard Brockman, M.D.
A. Alexis Brosen, M.D.
Paul F. Califano, M.D.
Raphael B. Campeas, M.D.
Harvey R. Chertoff, M.D.
Daniel E. Cohen, M.D.
Frances B. Cohen, M.D.
Francine Cournos, M.D.
Barbara H. De Betz, M.D.
Paolo Decina, M.D.
Zira De Fries, M.D.
Carolyn J. Douglas, M.D.
Jennifer I. Downey, M.D.
Paula Eagle, M.D.
Robert M. Elvove, M.D.
Charles F. Entelis, M.D.
Katharine Falk, M.D.
William A. Fisher, M.D.
Bruce M. Forester, M.D.
Sheldon M. Frank, M.D.
Eugene A. Friedberg, M.D.
Cathy J. Friedman, M.D.
Abby Fyer, M.D.
Lee R. Gardner, M.D.
Iona H. Ginsberg, M.D.
Ana B. Glick, M.D.
Edwin A. Goldstein, M.D.
Paul Goodnick, M.D.
Gary J. Grad, M.D.
Kenneth Greenspan, M.D.
Lloyd A. Hamilton, M.D.
Harvey M. Hammer, M.D.

Wilma M. Harrison, M.D.
Michelle L. Hirsch, M.D.
Joel S. Hoffman, M.D.
Ewald Horwath, M.D.
Wynn K. Jackson, M.D.
David Jaffe, M.D.
David A. Kahn, M.D.
Jeffrey P. Kahn, M.D.
Lila J. Kalinich, M.D.
Sherry P. Katz-Bearnot, M.D.
Charles A. Kaufmann, M.D.
Robert Kertzner, M.D.
Harold Koplewicz, M.D.
Elliott M. Krantzler, M.D.
Peter Laderman, M.D.
Lucy B. LaFarge, M.D.
Leon Lefer, M.D.
Burton A. Lerner, M.D.
Laurence S. Lorefice, M.D.
George W. Luhrmann, M.D.
William R. McFarlane, Jr., M.D.
Patrick J. McGrath Jr., M.D.
Lisa Ann Mellman, M.D.
John A. Milici, M.D.
Robert S. Mumford, M.D.
Philip R. Muskin, M.D.
Joseph C. Napoli, M.D.
Jaime P. Nos, M.D.
David D. Olds, M.D.
Louis Padovano, M.D.
Patricio Paez, M.D.
Robert P. Parkin, M.D.
Nancy Q. Petersmeyer, M.D.
Jeffrey M. Pines, M.D.
Leslie L. Powers, M.D.
Kathryn E. Prescott, M.D.
Joan Prudic, M.D.
Harris Rabinovich, M.D.
Stephen G. Rayport, M.D.
Steven P. Roose, M.D.
Jeffrey S. Rosecan, M.D.
Barbara R. Rosenfeld, M.D.
Lyle E. Rosnick, M.D.
Boris Rubinstein, M.D.
Morton B. Sarlin, M.D.
Pellegrino J. Sarti, M.D.
Eleanor S. Schuker, M.D.
Peter A. Shapiro, M.D.
Edward M. Shelley, M.D.
Charles Siegal, M.D.
Jonathan M. Silver, M.D.
Frieda H. Spady, M.D.
H. David Stein, M.D.
Laurie A. Stevens, M.D.
Jonathan W. Stewart, M.D.
Diane L. Stone, M.D.
Rafael Tavares, M.D.
Eleanor Townsend, M.D.
Paul D. Trautman, M.D.
Steven G. Wager, M.D.
Agnes H. Whitaker, M.D.

Associate Psychiatrists

Donald C. Bell, M.D.
Ivan K. Goldberg, M.D.
Gurston D. Goldin, M.D.
Bonnie B. Kaufman, M.D.
Naomi Leiter, M.D.
Phyllis B. Robbins, M.D.
Gloria Stern, M.D.
Gerda H. Strika, M.D.
Hector O. Varas, M.D.

Assistant Psychiatrists

Geary E. Ahearn, M.D.
Joanne H. Ahola, M.D.
Rena L. Appel, M.D.
Robert B. Aranow, M.D.
Eve Caligor, M.D.
Leon Chattah, M.D.
Cheryl H. Cottrol, M.D.
Gustav DeGreef, M.D.
Michael J. Devlin, M.D.
Sylvia M. Furstenberg, M.D.
Nannette Goldstein, M.D.
Lauren K. Gorman, M.D.
Rosalie Greenberg, M.D.
Deborah S. Hamm, M.D.
Deena R. Harris, M.D.
Stanley M. Hertz, M.D.
Ellen L. Hollander, M.D.
Eric Hollander, M.D.
Susan C. Katz, M.D.
Richard J. Kavoussi, M.D.
H. David Kellman, M.D.
Richard A. Kresch, M.D.
Owen W. Lewis, M.D.
David C. Lindy, M.D.
Barbara A. Liskin, M.D.
Julie A. Low, M.D.
Cesar A. Matos, M.D.
Robert D. McMullen, M.D.
Jean K. Miller, M.D.
Donna L. Moreau, M.D.
Reed C. Moskowitz, M.D.
Edward V. Nunes Jr., M.D.
Laszlo A. Papp, M.D.
Richard R. Pleak, M.D.
Humberto Quintana, M.D.
Franklin D. Russek, M.D.
Diana P. Sandberg, M.D.
Rafael Sanjuan, M.D.
Robert B. Santulli, M.D.
Karl J. Schroeder, M.D.
Mary Schwab-Stone, M.D.
Beth J. Seelig, M.D.
Jose M. Soto, M.D.
Ellen Stevenson, M.D.
Miguel A. Vilario-Colon, M.D.
Ronald Winchel, M.D.

Full Professional Psychologists

Anke Ehrhardt, Ph.D.
Heino F. Meyer-Bahlburg, Ph.D.

Associate

Professional Psychologists

Judith V. Becker, Ph.D.
W. Crawford Clark, Ph.D.
Wilma Rosen, Ph.D.
Gail A. Wasserman, Ph.D.

Assistant Professional Psychologists

Aryeh Anavi, Ph.D.
Elizabeth Auricchio, Ph.D.
Robert H. Dworkin, Ph.D.
Walter I. Gadlin, Ph.D.
Richard W. Gaines, Ph.D.
Rita Haggerty, Ph.D.
Richard Sloan, Ph.D.
Lawrence A. Welkowitz, Ph.D.

Assistant Psychologists

Goldie Alfasi, Ph.D.
Susan P. Brinkworth, Ph.D.
Mark Gerald, Ph.D.
Jonathan F. Katz, Ph.D.
Carmen Rodriguez, Ph.D.

Public Health

Attending

Michael Katz, M.D.

Full Professional Parasitologist

Dickson D. Despommier, Ph.D.

Full Professional Biostatistician

Joseph L. Fleiss, Ph.D.

Radiology

Director of Service

David H. Baker, M.D.

Attending Radiologists

Philip O. Alderson, M.D.
Walter E. Berdon, M.D.
Kent Ellis, M.D.
Jack Farman, M.D.
Rashid Fawwaz, M.D.
Freida Feldman, M.D.
Sadek Hilal, M.D.
Donald L. King, M.D.
Eric C. Martin, M.D.
Ralph Schlaeger, M.D.
William B. Seaman, M.D.

Associate

Attending Radiologists

Thane Asch, M.D.
John Austin, M.D.
Monique C. Katz, M.D.
Kevin L. Macken, M.D.
Jeffrey H. Newhouse, M.D.
Alan J. Silver, M.D.

Assistant

Attending Radiologists

Sara Abramson, M.D.
John B. Amodio, M.D.
Jacqueline A. Bello, M.D.
Kaaren N. Bergquist, M.D.
Ronda S. Bixon, M.D.
Agnes M. Boxhill, M.D.
Alvin B. Galuten, M.D.
Alexander Khandji, M.D.
Karen J. Laffey, M.D.
Herman Lubetsky, M.D.
Franklin G. Moser, M.D.
Ahalya Premkumar, M.D.
Benjamin M. Romney, M.D.
Joel Rosen, M.D.
Jonathan I. Rubin, M.D.
David W. Seldin, M.D.
Ellen Silverstein, M.D.
Rolando D. Singson, M.D.

Assistant Radiologists

Steven Bier, M.D.
Neil M. Borden, M.D.
T. Linda Chi, M.D.
Bruce J. Derauf, M.D.
Asim G. Dikengil, M.D.
Francis J. Fernandez Jr., M.D.
Robert M. Jaffe, M.D.
John M. Maher, M.D.

Liana R. Medina, M.D.
Joseph K. Rogers, M.D.
Ronald B. Staron, M.D.

Full Professional Physicians

Peter D. Esser, Ph.D.
Eric J. Hall, Ph.D.
Edward L. Nickoloff, Sc.D.,

Full Professional Radionuclide Pharmacist

Theodore Wang, Ph.D.

Full Professional Biostatistician

Lawrence A. Shepp, Ph.D.

Assistant Professional Physicist Nuclear Medicine

Thomas Lowinger, Ph.D.

Assistant Professional Chemist

In K. Mun, Ph.D.

Radiation Oncology

Director of Service

James D. Cox, M.D.

Attending Radiation Oncologist

Chu H. Chang, M.D.

Associate Attending Radiation Oncologists

Karen S. Fountain, M.D.
Ritsuko Komaki, M.D.

Assistant Attending Radiation Oncologist

Michael J. Marchese, M.D.

Assistant Radiation Oncologist

Thomas E. Goffman, M.D.

Full Professional Physicist

Richard J. Riley, Ph.D.

Full Professional Radiation Biologist and Biophysicist

Eric J. Hall, D.Phil., D.Sc.

Full Professional Biophysicist

Harold H. Rossi, Ph.D.

Assistant Professional Physicists

Howard I. Amols, Ph.D.
Mary K. Martel, Ph.D.

Rehabilitation Medicine

Director of Service

John A. Downey, M.D.

Attending Rehabilitation Physicians

Yasoma B. Challenor, M.D.
Erwin G. Gonzalez, M.D.
Stanley J. Myers, M.D.

Assistant Attending Rehabilitation Physicians

Ann Breuer, M.D.
Antonio Cocchiarella, M.D.
Francis J. Foca, M.D.
Michael Hajdu, M.D.
Damyanti, G. Moorjani, M.D.
Lucille Tsu Pai, M.D.
Anthony J. Pisciotto, M.D.
Anthony V. Porcelli, M.D.
Naomi L. Turner, M.D.

Associate

Rehabilitation Physicians

John K. Kraus, M.D.
Howard Liss, M.D.

Assistant

Rehabilitation Physicians

Jose Alonso, M.D.
Michael V. Canale, M.D.
Donald Liss, M.D.

Surgery

Director of Service

Keith Reemtsma, M.D.

Attending Surgeons

R. Peter Altman, M.D.
Frederick O. Bowman Jr., M.D.
Kenneth A. Forde, M.D.
Frank E. Gump, M.D.
Mark A. Hardy, M.D.
Frederic P. Herter, M.D.
Norman E. Hugo, M.D.
Thomas C. King, M.D.
John M. Kinney, M.D.
Paul Lo Gerfo, M.D.
James R. Malm, M.D.
Alfred M. Markowitz, M.D.
John B. Price Jr., M.D.
Henry M. Spotnitz, M.D.
Bashir A. Zikria, M.D.

Associate

Attending Surgeons

Robert G. Bertsch, M.D.
Joseph A. Buda, M.D.
David M. Carberry, M.D.
Carl R. Feind, M.D.
Harold P. Freeman, M.D.
Alfred Jaretski III, M.D.
David M. Ju, M.D.
Sven J. Kister, M.D.
Roman Nowygrod, M.D.
George C. Peck, M.D.
John N. Schullinger, M.D.
Francis C. Symonds, M.D.
Philip D. Wiedel, M.D.

Assistant

Attending Surgeons

Alan I. Benvenisty, M.D.
Arthur Cooper, M.D.
Rajinder P. Gandhi, M.D.
Paul H. Gerst, M.D.
Leif O. Holgersson, M.D.
Peter S. Liebert, M.D.
Eric A. Rose M.D.
Craig R. Smith, M.D.
Charles J. Stolar, M.D.
George J. Todd, M.D.
Michael R. Treat, M.D.
Collin J. Weber, M.D.

Assistant Surgeons

Vincent W. Ansanelli, M.D.
Robert G. Blabey Jr., M.D.
Harold M. Bruck, M.D.
Sherman M. Bull, M.D.
Alison Estabrook, M.D.
Leslie M. Kutcher, M.D.
Mark D. Sherman, M.D.
Charles A. Slanetz, M.D.
Michael C. Stalneck, M.D.
Paul M. Starker, M.D.
James S. Todd, M.D.

Urology

Director of Service

Carl A. Olsson, M.D.

Attending Urologist

Ralph J. Veenema, M.D.

Associate

Attending Urologists

Jerry G. Blaivas, M.D.

Stanley B. Braham, M.D.

Terry W. Hensle, M.D.

Frank W. Longo, M.D.

Peter J. Puchner, M.D.

Myron S. Roberts, M.D.

Nicholas A. Romas, M.D.

Assistant

Attending Urologists

Mitchell C. Benson, M.D.

John D. Birkhoff, M.D.

Kevin A. Burbige, M.D.

Peter N. DeSanctis, M.D.

J. Timothy Donovan, M.D.

Harris M. Nagler, M.D.

Ihor Sawczuk, M.D.

Michael H. Wechsler, M.D.

Associate Urologist

Leonard J. Rudin, M.D.

Assistant Urologists

Richard Kroll, M.D.

Charles E. Umhey, M.D.

James A. Umhey, M.D.

Chiefs of Clinic

Leonard Brand, M.D.

(Pain Clinic) Anesthesiology

Howard Rosner, M.D.

Co-Chief (Pain Clinic)

Anesthesiology

Donald C. Brody, M.D.

(General Clinic) Anesthesiology

Robert R. Walther, M.D.

Dermatology

Carmen Ortiz-Neu, M.D.

(Medical Specialty) Medicine

Oliver Fein, M.D.

Medicine

Kapil Bhalla, M.D.

Medicine

Carolyn Britton, M.D.

Neurology

Robert A. Solomon, M.D.

Neurological Surgery

Hilda Y. Hutcherson, M.D.

Obstetrics & Gynecology

Harold Spalter, M.D.

Ophthalmology

Hugo Keim, M.D.

Orthopedic Surgery

Malcolm Schvey, M.D.

Otolaryngology

Nicholas Cunningham, M.D.

Pediatrics

Paula Eagle, M.D.

Psychiatry

Erwin G. Gonzalez, M.D.

Rehabilitation Medicine

Roman Nowygrod, M.D.

Surgery

Harris M. Nagler, M.D.

Urology

Anatomy and Cell Biology

Professor and Chairman
Michael D. Gershon, M.D.

Professors

Anthony Bellve, Ph.D. (*in Urology and the International Institute of Human Reproduction*)
Melvin L. Moss, Ph.D.
Eladio A. Nunez, Ph.D.
Virginia M. Tennyson, Ph.D. (*also Pathology*)

Adjunct Professors

Manfred Otto Nahmmacher, Ph.D.
Samuel Rosner, M.D.

Associate Professors

Richard T. Ambron, Ph.D.
Ernest W. April, Ph.D.
Philip W. Brandt, Ph.D.
Stephen B. Doty, Ph.D. (*in Orthopedic Surgery*)
Richard H. Kessin, Ph.D.
Ann-Judith Silverman, Ph.D.

Adjunct Associate Professor
Richard M. Hoar, Ph.D.

Associate Professor of

Clinical Pathology
Dominique Toran-Allerand, M.D. (*also Neurology*) (*in International Institute for the Study of Human Reproduction*)

Assistant Professors

John E. Bergmann, Ph.D.
Sharon C. Colacino, Ph.D.
Christopher A. Gabel, Ph.D.
Masataka Kawai, Ph.D.
John E. Pintar, Ph.D.
Lorna Role, Ph.D.
Taube Pearl Rothman, Ph.D.
Larry D. Witte, Ph.D. (*in Medicine*)

Assistant Professor of

Clinical Psychiatry
Stephen Rayport, M.D. (*and in Medicine and the Center for Neurobiology and Behavior*)

Adjunct Assistant Professors

Craig H. Bailey, Ph.D. (*in Psychiatry and the Center for Neurobiology and Behavior*)
Ian Blair Fries, M.D.
Samuel M. Schacher, Ph.D. (*in Psychiatry and the Center for Neurobiology and Behavior*)
Klaudiusz R. Weiss, Ph.D. (*in Psychiatry and the Center for Neurobiology and Behavior*)

Associate Research Scientists

Theresa A. Brancheck, Ph.D.
Halina D. Den, Ph.D. (*in Neurology*)
Robert F. Payette, M.D.
Tuan Dhuc Pham, Ph.D. (*also Pharmacology*)
Joan Wharton Witkin, Ph.D.

Adjunct Associate

Research Scientist
James P. Kelly, Ph.D.

SPECIAL LECTURER

Charles A. Ely, Ph.D.

Anesthesiology

Emanuel M. Papper Professor and Chairman

Edward D. Miller, Jr., M.D.
At Presbyterian Hospital

Professors

Henrik H. Bendixen, M.D.
Mieczyslaw Finster, M.D. (*also Obstetrics and Gynecology*)
Gabriel G. Nahas, M.D.
Shih-Hsun Ngai, M.B. (*also Pharmacology*)
Eugene J. Pantuck, M.D.
Lubos Triner, M.D.

Adjunct Professor

Sidney Spector, Ph.D. (*also Pharmacology*)

Professors of Clinical Anesthesiology

Leonard Brand, M.D.
Edgar C. Hanks, M.D.

Associate Professors

Arthur D. Finck, M.D.
Hisayo O. Morishima, M.D.
Leila M. Pang, M.D. (*also Pediatrics*)
Peter T. Rothstein, M.D.
J. Gilbert Stone, M.D.

Associate Professors of Clinical Anesthesiology

Hoshang Jal Khambatta, M.D.
Richard S. Matteo, M.D.
Hilda Pedersen, M.B., Ch.B.
Stanley H. Rosenbaum M.D. (*also Medicine*)

Associate Professor of Clinical Engineering

Alvin Wald, Ph.D.

Associate Clinical Professors

Keith J. Bernstein, M.D.
Donald C. Brody, M.D.
Kevin B. Sanborn, M.D.
Jen-Tieng Wung, M.D.

Research Scientist

Salha S. Daniel, Ph.D.

Assistant Professors

Jeffrey Askanazi, M.D.
Samuel M. Barst, M.D.
Donald G. Bluh, M.D.
Arvin H. Chin, M.D.
Michal C. Damask, M.D.
Stephanie Duberman, M.D.
Ingrid Anne-Marie Fitz-James, M.D.
Geordie P. Grant, M.D.
Laurence P. Mark, M.D.
Pat J. Martin, M.D.
Samantha Mullis, M.D.
Eugene Ornstein, M.D.
Richard K. Raker, M.D.
Howard L. Rosner, M.D.
Peter Salgo, M.D.
Alan C. Santos, M.D.
Charles Weissman, M.D.
William L. Young, M.D.
Victor M. Zayas, M.D.

Adjunct Assistant Professor

Michael Rothkopf, M.D.

Assistant Professors of Clinical Anesthesiology

Dorothy A. Black, M.D.
Kathryn A.W. Cozine, M.D.
Ellise S. Delphin, M.D.
Alber Faltas, M.D.
Carolyn P. Greenberg M.D.
John W. Hennessey, M.D.
Ina Lieberman, M.D.
Gerald S. Weinberger, M.D.
Sook Young Woo, M.D.
Joseph Chuan-Shih Yang, M.D.

Assistant Professor of Clinical Psychology

Robert Dworkin, Ph.D.

Assistant Clinical Professor

M. Alice Becker, M.D.

Associate Research Scientists

Karen M. Gil, Ph.D.
Yvonne Vulliemoz, Ph.D.

Biochemistry and Molecular Biophysics

Robert Wood Johnson Jr. Professor and Chairman
Isidore S. Edelman, M.D.

Professors

Frederick W. Alt, Ph.D.
Richard Axel, M.D. (*also Pathology*)
Ruth E. Benesch, Ph.D.
Max A. Eisenberg, Ph.D.
Philip Feigelson, Ph.D.
Stephen Goff, Ph.D.
Robert F. Goldberger, M.D.
Maxwell Gottesman, M.D. (*Charles Revson Professor*) (*also Microbiology*) (*in the Institute of Cancer Research*)
Wayne Hendrickson, Ph.D.
Barry Honig, Ph.D.
Arthur Karlin, Ph.D. (*also Neurology*)
Alvin I. Krasna, Ph.D.
Barbara W. Low, D. Phil.
Dinshaw Patel, Ph.D.
Maurice M. Rapport, Ph.D. (*in Psychiatry*)
Parithyachery Srinivasan, Ph.D.

Adjunct Professor

Benno P. Schoenborn, Ph.D.

Associate Professors

Roger M. Burnett, Ph.D.
Kurt Drickamer, Ph.D.
Allen M. Gold, Ph.D.
Thomas Jessel, Ph.D.
Bonnie Ann Wallace, Ph.D.

Adjunct Associate Professor

John D. Karkas, Ph.D.

Assistant Professors

Mitchell Goldfarb, Ph.D.
Lee Makowski, Ph.D.
James L. Roberts, Ph.D. (*in International Institute for Study of Human Reproduction*)

Adjunct Research Scientists

Barry Potvin, Ph.D.

Associate Research Scientists

Gregory George Gick, Ph.D.
Jade LI, Ph.D.

Sahebarao Mahadik, Ph.D. (*in Psychiatry*)

Robert McDaniel, Ph.D.
Thomas Pressley, Ph.D.
James J. Russo, Ph.D.
Janet L. Smith, Ph.D.
Efthia Tzilianos, Ph.D.
Michael G. Lagorski, Ph.D.

SPECIAL LECTURERS

Erwin Chargaff, Ph.D.
Zacharias Dische, M.D., (*in Ophthalmology*)
David B. Sprinson, Ph.D.

Dermatology

Richard and Mildred Rhodebeck Professor and Chairman

Leonard C. Harber, M.D.
At Presbyterian Hospital

Clinical Professor

Saul L. Sanders, M.D.

Associate Professor of Clinical Dermatology

Maureen B. Poh, M.D.

Associate Clinical Professor

Jack Eisert, M.D.
Marc E. Grossman, M.D.
David N. Silvers, M.D. (*also Pathology*)
Robert R. Walther, M.D.
Richard L. Walzer, M.D.

Assistant Professor

Vincent De Leo, M.D.

Assistant Clinical Professors

Irving Abrahams, M.D.
Alan D. Andrews, M.D.
Robert B. Armstrong, M.D.
Vincent S. Beltrani, M.D.
Yehuda D. Eliezri, M.D.
Eric W. Herman, M.D.
Einar A. Juhlin, M.D.
Steven R. Kohn, M.D.
Asher Rabinowitz, M.D.
Theodore A. Labow, M.D.
Jack H. Rozen, M.D.
Paul Ira Schneiderman, M.D.

Associate Research Scientist

Francis P. Gasparro, Ph.D.

SPECIAL LECTURERS

Leslie P. Barker, M.D.
Margarita S. Hutner, Ph.D.
J. Lowry Miller, M.D.

Genetics and Development

Professor and Chairman
Charles R. Cantor, Ph.D.

Professors

Kimball C. Atwood, M.D.
Arthur Bank, M.D. (*also Medicine*)
Arthur D. Bloom, M.D. (*also Pediatrics*)
Argiris Efstratiadis, M.D.
Georgiana Jagiello, M.D. (*also Virgil Damon Professor of Obstetrics and Gynecology*)

Elvin A. Kabat, Ph.D. (*also Microbiology*) (*in Neurology*)
Orlando J. Miller, M.D. (*also Obstetrics and Gynecology*)

Adjunct Professor

Ronald H. Kaback, M.D.

Professor of Clinical Psychiatry

L. Erlenmyer-Kimling, Ph.D.

John D. Rainer, M.D.

Associate Professor of Clinical Pediatrics

Dorothy Warburton, Ph.D.

Adjunct Associate Professors

Michael Ian Sherman, Ph.D.

David Webb, Ph.D.

Research Scientists

Harold Calvin, Ph.D. (*in Center for Reproductive Biology*)

Fred R. Kramer, Ph.D.

Donald Mills, Ph.D.

Assistant Professors

Jürgen Brosius, Ph.D.

Frank Costantini, Ph.D.

Rodney J. Rothstein, Ph.D.

Leonardus Van der Ploeg, Ph.D.

Debra Wolgemuth, Ph.D. (*in the Cancer Research Center*)

Assistant Professor of Clinical Genetics and Development

Marian B. Carlson, Ph.D.

Associate Research Scientists

Carl S. Dobkin, Ph.D.

Jye-Siung Fang, Ph.D.

Harlow K. Fischman, Ph.D.

Wilma A. Saffran, Ph.D.

Cassandra Lynn Smith, Ph.D.

Medicine

Bard Professor and Chairman

Robert M. Glickman, M.D.

At Presbyterian Hospital

Professor

Qais Al-Awqati, M.B.C., Ch.B. (*also Physiology*)

Arthur Bank, M.D. (*also Human Genetics and Development*)

J. Thomas Bigger, M.D.

(*also Pharmacology*)

John P. Bilezikian, M.D.

(*also Pharmacology*)

Vincent P. Butler, Jr., M.D.

Robert E. Canfield, M.D.

Paul J. Cannon, M.D.

Leonard Chess, M.D.

Rose Ruth Ellison, M.D.

(*in the Cancer Center*)

Michael Field, M.D.

(*also Physiology*)

Andrew G. Frantz, M.D.

DeWitt S. Goodman, M.D.

(*Tilden-Weger-Bieler Professor of Preventative Medicine*)

Robert I. Levy, M.D.

John Lindenbaum, M.D.

John N. Loeb, M.D.

Harold C. Neu, M.D.

(*also Pharmacology*)

Elliott F. Osserman, M.D.

(*American Cancer Society Professor*)

Benvenuto Pernis, M.D.

(*also Microbiology*)

Donald F. Tapley, M.D.

(*Alumni Professor*)

Gerald E. Thomson, M.D.

(*Samuel Lambert Professor*)

I. Bernard Weinstein, M.D. (*Frode*

Jensen Professor) (*also Public Health*)

Professors of Clinical Medicine

Felix E. Demartini, M.D.

Donald A. Holub, M.D.

Israel Jaffe, M.D.

Edgar Leifer, M.D.

Thomas Q. Morris, M.D.

Jane H. Morse, M.D.

Joseph C. Sweeting, M.D.

Robert N. Taub, M.D.

Robert T. Whitlock, M.D.

Adjunct Professor of Clinical Medicine

Robert H. Palmer, M.D.

Professor of Social Medicine

David J. Rothman, Ph.D.

(*Bernard Schoenberg Professor*)

(*in the Center for the Study of Society and Medicine*)

Clinical Professors

John R. Edsall, M.B.B.Ch.

Abbie I. Knowlton, M.D.

Jay I. Meltzer, M.D.

Richard J. Stock, M.D.

John A. Wood, M.D.

Associate Professors

Leslie Baer, M.D.

Peter R.B. Caldwell, M.D.

Henry N. Ginsberg, M.D.

Faramarz Ismail-Beigi, M.D.

Karen L. Kaplan, M.D.

Alan Tall, M.D.

Associate Professors of Clinical Medicine

Gerald B. Appel, M.D.

Conrad B. Blum, M.D.

Ronald E. Drusin, M.D.

Yale Enson, M.D.

Dorothy Estes, M.D.

Glenda J. Garvey, M.D.

Elsa-Grace V. Giardina, M.D.

Robert H. Heisenbittel, M.D.

Wylie C. Hembree III, M.D.

(*also Obstetrics and Gynecology*)

Thomas P. Jacobs, M.D.

Lynne L. Johnson, M.D.

George W. Melcher, Jr., M.D.

Allen Bryant Nichols, M.D.

Juan Oliver, M.D.

James A. Reiffel, M.D.

Ethel S. Siris, M.D.

Frank R. Smith, M.D.

Francis M. Weld, M.D.

Associate Clinical Professors

Ralph S. Blume, M.D.

John O. Burris, M.D.

Michael H. Cohen, M.D.

Oliver T. Fein, M.D.

Kenneth C. Fine, M.D.

Lionel Grossbard, M.D.

George A. Hyman, M.D.

Oscar Lebowitz, M.D.

William Lovejoy, M.D.

Eric R. Marcus, M.D.

(*also Psychiatry*)

David J. McConnell, M.D.

George H. McCormack, Jr., M.D.

Hans Neuberger, M.D.

Carmen Ortiz-Neu, M.D.

Michael F. Parry, M.D.

Eric R. Powers, M.D.

Eve E. Slater, M.D.

Jeffrey A. Stein, M.D.

Earl A. Wheaton, Jr., M.D.

Research Scientist

Steven Birken, Ph.D.

Assistant Professors

Ilan Bank, M.D.

Kapil N. Bhalla, M.B.B.S.

Gary R. Burke, M.D.

L. David Carmichael, M.D.

Rita A. Charon, M.D.

Herbert Chase, Jr., M.D.

Randolph Cole, M.D.

James Coromilas, M.D.

Nicholas Davidson, M.B., B.S.

Ira Jay Goldberg, M.D.

Steven Grant, M.D.

Richard S. Haber, M.D.

Alexander A. Hindenberg, M.D.

Andrew M. Keller, M.D.

Thomas Ralph Kleyman, M.D.

David S. Leibowitz, M.D.

Arthur M. Magun, M.D.

Jacques P. Merab, M.D.

Alfred I. Neugut, M.D.

John Owen, M.D.

Alice S. Prince, M.D.

(*also Microbiology*)

Robert W. Rees-Jones, M.D.

Brian Scully, M.D.

Elizabeth Shane, M.D.

Steven Shea, M.D.

(*also Public Health*)

Susan F. Steinberg, M.D.

Ira A. Tabas, M.D.

Sharon Wardlaw, M.D.

Rita Marie Watson, M.D.

Assistant Professors of Social Medicine

Sherry I. Brandt-Rauf, J.D.

Robert I. Zussman, Ph.D.

Assistant Professors of Clinical Medicine

Myles Akabas, M.D.

Terri F. Apfelbaum, M.D.

Andrew David Berke, M.D.

David K. Blood, M.D.

Peter J. Buchin, M.D.

David J. Cohen, M.D.

Steven J. Corwin, M.D.

Robert H. DeBellis, M.D.

Jerry Gliklich, M.D.

Mark J. Goldberger, M.D.

Peter Green, M.B., B.S.

Marc Grodman, M.D.

Thomas P.W. Hui, M.D.

Rima Gail Kopelman, M.D.

Cheryl Kunis, M.D.

Rafael A. Lantigua, M.D.

Jonathan LaPook, M.D.

Benjamin H. Lewis, M.D.

Frank S. Livelli, M.D.

Aaron Manson, M.D.

David M. Margulies, M.D.

Roger N. Maxfield, M.D.

Robert McConnell, M.D.

J. Gregory Mears, M.D.

Robin O. Motz, M.D.

Constance Park, M.D.

Kenneth Prager, M.D.

Marshall Primack, M.D.

Barrie Lynn Raik, M.D.

Frederick G. Rapoport, M.D.

Dennis S. Reison, M.D.

John L. Roglieri, M.D.

Mario Romagnoli, M.D.

Lewis B. Schneider, M.D.

Harvey A. Schneier, M.D.

Stanley Schneller, M.D.

Larry L. Schulman, M.D.

Allan Schwartz, M.D.

Alan H. Sepowitz, M.D.

William H. Sherman, M.D.

Marjorie Slankard, M.D.

Leonard Stern, M.D.

Mark Stoopler, M.D.

Joseph Tenenbaum, M.D.

Byron Thomashow, M.D.

Christine C. Weart, M.D.

Jack B. Weissman, M.D.

Gail S. Williams, M.D.

Chun Keung Yip, M.D.

Assistant Professor of Clinical Social Work

Dena Fisher, M.S.W.

Assistant Clinical Professors

Alfred Becker, M.D.

Jorge Cartes-Quinones, M.D.

Richard B. Duane, Jr., M.D.

Juan G. Edreira, M.D.

Seth D. Feltheimer, M.D.

Daniel L. Larson, M.D.

Robert Lewy, M.D.

Arnold Lisio, M.D.

Daniel L. Macken, M.D.

Paul C. McCullough, M.D.

John Postley, M.D.

Nicholas Rango, M.D.

Jane Sillman, M.D.

Arthur I. Snyder, M.D.

Cornelius J. Tyson, M.D.

Natalie Warner, M.D.

Associate Research Scientists

Joseph M. Backer, Ph.D.

Charles Bisgaier, Ph.D.

William S. Blaner, Ph.D.

Nai-Xun Chin, M.D.

Mary Ann Gawinowicz, Ph.D.

Alexander Kritchevsky, D.V.M.

Chung Yuan Liu, Ph.D.

Roberto Lorenzet, Dr. Bio Sci.

Joyce W. Lustbader, Ph.D.

Scott O'Grady, Ph.D.

Kenneth B. Pomerantz, Ph.D.

Ildiko Radichevich, Ph.D.

Westley H. Reeves, M.D.

Steven L. Roffman, Ph.D.

Robert R. Sciacca, M.S.

Dianne R. Soprano, Ph.D.

Adjunct Associate

Research Scientist
Michelle Greene, M.D.

SPECIAL LECTURERS

Hylan A. Bickerman, M.D.
Andre F. Courmand, M.D.
Hamilton Southworth, M.D.
Alfred Steiner, M.D.

Microbiology

**Higgins Professor and
Chairman**

Lucille Shapiro, Ph.D.

Professors

Dickson D. Despommier, Ph.D.
(in *Public Health*)

Paul D. Ellner, Ph.D.
(also *Pathology*)

Bernard F. Erlanger, Ph.D.
Harold S. Ginsberg, M.D.
(*Higgins Professor*)

Maxwell E. Gottesman, M.D.
(*Revson Professor*) (also
Biochemistry)

Sherie L. Morrison, Ph.D.
Benvenuto Pernis, M.D.
(also *Medicine*)

Professor of Dentistry

Solon A. Ellison, D.D.S.

Associate Professors

Philip D'Alesandro, Ph.D.
(also *Public Health*)

David H. Figurski, Ph.D.
Saul J. Silverstein, Ph.D.
Charles Stuart Hamish Young,
D. Phil.

Adjunct Associate Professor

Victor Bokkenheuser, M.D.

Research Scientist

Paul B. Fisher, Ph.D.

Assistant Professors

W. Louis Cleveland, Ph.D.
M. Suzanne Holmes Giannini,
Ph.D. (in *Public Health*)

Alexander D. Goldfarb, Ph.D.
Minh Chi Nguyen Huu, Ph.D.
(in *Urology*)

Vincent Racaniello, Ph.D.
Howard Shuman, Ph.D.

Adjunct Assistant Professors

Vincent Bonagura, M.D.

Associate Research Scientists

Shih M. Chen, Ph.D.
Doris Tse, Ph.D.
Norbert H. Wassermann, Eng.D.

SPECIAL LECTURERS

Elvin A. Kabat, Ph.D.
Wladyslaw Manski, D.S.

Neurological Surgery

**Byron Stookey Professor
and Chairman**

Bennett M. Stein, M.D.
At Presbyterian Hospital

**Professor of Clinical
Neurological Surgery**

Peter W. Carmel, M.D.
James W. Correll, M.D.
Edgar M. Houshepan, M.D.

Associate Professor

Kalmon Post, M.D.

**Associate Professors of Clinical
Neurological Surgery**

James G. McMurry III, M.D.
W. Jost Michelson, M.D.
Donald Oliver Quest, M.D.

Assistant Professor

Robert A. Solomon, M.D.

**Assistant Professor of Clinical
Neurological Surgery**

Ronald Brisman, M.D.

Assistant Clinical Professors

George L. Becker, M.D.
Harvey R. Nova, M.D.

Neurology

**Henry and Lucy Moses
Professor and Chairman**

Lewis P. Rowland, M.D.

At Presbyterian Hospital

Professors

Darryl C. DeVivo, M.D. (*Sidney
Carter Professor*) (also *Pediatrics*)

Salvatore DiMauro, M.D.
Stanley Fahn, M.D. (*H. Houston
Merritt Professor*)

Claude P.J. Ghez, M.D. (also
Physiology and Cellular Biophysics)
(in *the Center for Neurobiology
and Behavior*)

William Allen Hauser, M.D.
(in *the Sergievsky Center*)

Arthur Karlin, Ph.D.
(also *Biochemistry*)

Robert F. Lovelace, M.R.C.P.
Audrey S. Penn, M.D.

James H. Schwartz, M.D. (also
Physiology) (in *the Center for
Neurobiology and Behavior*)

Professor of Clinical Neurology

Arnold Gold, M.D.
(also *Pediatrics*)

James F. Hammill, M.D.
Jay P. Mohr, M.D.
(*Sciarra Professor*)

Timothy A. Pedley, M.D.
Daniel Sciarra, M.D.

Associate Professors

Eduardo Bonilla, M.D.

Lucien J. Cote, M.D. (also
Rehabilitation Medicine)

Adjunct Associate Professor

Roger Traub, M.D.

**Associate Professor of
Clinical Neurochemistry**

Hai Won Chang, Ph.D.

**Associate Professors of
Clinical Neurology**

William G. Johnson, M.D.
Richard Mayeux, M.D.
James R. Miller, M.D.
C. Dominique Toran-Allerand,
M.D. (also *Anatomy*) (in
*International Institute for the
Study of Human Reproduction*)

**Associate Professor of Clinical
Neuropsychology**

Nancy Sabin Wexler, Ph.D.

Associate Clinical Professor

Robert E. Barrett, M.D.
Robert A. De Napoli, M.D.
Michael Fetell, M.D.
Linda D. Lewis, M.D.
Joseph L. O'Brien, M.D.
Marcelo Olarte, M.D.
Joseph H. Willner, M.D.

Assistants Professors

Gary Abrams, M.D.
Carolyn B. Britton, M.D.
Robert Burke, M.D.
Ronald G. Emerson, M.D.
(also *Pediatrics*)
Bruce J. Fisch, M.D.
Joseph Herbert, M.D.
Dale Joseph Lange, M.D.
Norman Latov, M.D.
Michael R. Pranzatelli, M.D.
Ariel Sherbany, M.D.
Eric Alan Schon, Ph.D.

Adjunct Assistant Professor

W. Douglas Knowles, Ph.D.

**Assistant Professors of
Clinical Neurology**

Susan B. Bressman, M.D.
Mitchell F. Brin, M.D.
Mathew E. Fink, M.D.
Theodore A. List, M.D.
Steven G. Pavlakis, M.D.
Stanley R. Resor, Jr., M.D.

**Assistant Professor of
Clinical Neuropsychology**

Yaakov Stern, Ph.D.

Assistant Clinical Professors

Frank Boschenstein, M.D.
Eugenia E. Gamboa, M.D.
Stanley W. Holstein, M.D.
Charles R. Plank, M.D.
Aaron Rabin, M.D.
Kuldip P. Sachdev, M.D.

Associate Research Scientist

Sara Shanske, Ph.D.
Guy Valiquette, M.D.

SPECIAL LECTURERS

Sara Ginsberg, Ph.D.
Carmen T. Vicale, M.D.

Obstetrics and Gynecology

**Rappleye Professor and
Chairman**

Mortimer Rosen, M.D.

At Presbyterian Hospital

Professors

Georgiana Jagiello, M.D.
(*Virgil Damon Professor*)
(also *Human Genetics*)

L. Stanley James, M.D.
(also *Pediatrics*)

Allan G. Rosenfield, M.D.
(also *Public Health*)

Professor of Biochemistry
Seymour Lieberman, Ph.D.

**Professor of Reproductive
Biochemistry**

Ines Mandl, Ph.D.

**Professor of Clinical
Obstetrics and Gynecology**
W. Duane Todd, M.D.

**Associate Professor of
Physiology**

Michel Ferin, M.D.

**Associate Professors of
Clinical Obstetrics and
Gynecology**

Bruce A. Barron, M.D.
Edward T. Bowe, M.D.
Harold E. Fox, M.D.

(also *Pediatrics*)

Wylie C. Hembree III, M.D.
(also *Medicine*)

Raphael Jewelewicz, M.D.
Richard U. Levine, M.D.
Jack E. Maidman, M.D.

Associate Clinical Professor

Vincent J. Freda, M.D.
Raymond M. McCaffrey, M.D.
Ming-Neng Yeh, M.D.

Research Scientist

Inge Dyrenfuth, D.Sc.

Assistant Professor

Laxmi Baxi, M.D.
Jye-Siung Fang, M.D.
Frederick A. Gonzalez, M.D.
Amalia C. Kelly, M.D.
Phyllis C. Leppert, M.D.
(also *Pediatrics*)
Jen-ta Shen, M.D.
Pamela Joan Tropper, M.D.
Carolyn L. Westhoff, M.D.

**Assistant Professors of
Clinical Obstetrics and
Gynecology**

Nabil Wafik Husami, M.D.
Andrew Loucopoulos, M.D.
Elynn Margulis, M.D.
Kevin B. Reilly, M.D.
Sylvia P. Rubin, M.Sc.

Assistant Clinical Professors

Marvin T. Grody, M.D.
Claudia Holland, M.D.
Anita Parnes La Sala, M.D.
Wolfgang Tretter, M.D.

Associate Research Scientists

Agit K. Ghosh, Ph.D.
Veeramac K. Prasad, Ph.D.

SPECIAL LECTURERS

Henry Clay Frick II, M.D.
David B. Moore, M.D.
Equinn Munnell, M.D.
Sidney J. Siegel, M.D.
Kevin D. Reilly, M.D.
David L. Rosenfeld, M.D.

Ophthalmology

**Edward S. Harkness
Professor and Chairman**
Charles J. Campbell, M.D.

At Presbyterian Hospital

Professors

Endre A. Balazs, M.D. (*Malcolm
P. Aldrich Research Professor*)
Peter Gouras, M.D.

Professor of Ocular Physiology
Laszlo Z. Bito, Ph.D.

Professor of Ophthalmic Biochemistry
Abraham Spector, Ph.D.

Professor of Physiology
Jorge Fischbarg, M.D.

Professors of Clinical Ophthalmology
Max Forbes, M.D.
Frederick A. Jakobiec, M.D.
Francis A. L'Esperance, Jr., M.D.
Harold F. Spalter, M.D.
Stephen Trokel, M.D.

Clinical Professor
Anthony Donn, M.D.

Associate Professor of Radiation Biology
Basil V. Worgul, Ph.D.

Associate Professors of Clinical Ophthalmology
Myles M. Behrens, M.D.
Richard W. Darrell, M.D.
Andrew deRoeth, Jr., M.D.
R. Linsy Farris, M.D.
Sally Moore, B.S. (*Orthoptics*)
Balachandran D. Srinivasan, Ph.D.
Lawrence Yannuzzi, M.D.

Associate Professor of Biophysical Ophthalmology
Charles J. Koester, Ph.D.

Associate Clinical Professors
Brian C. Curtin, M.D.
Jack M. Dodick, M.D.
John W. Espy, M.D.
Frank B. Hoeffle, M.D.
George M. Howard, M.D.
David Sudarsky, M.D.
Arnold I. Turtz, M.D.

Research Scientists
James P. Dillon, Ph.D.
Kasimierz Malinowski, Ph.D.

Assistant Professor
William H. Garner, Ph.D.
Larry Liebovitch, Ph.D.

Assistant Professor of Ophthalmic Pharmacology
Prasad S. Kulkarni, Ph.D.

Assistant Professors of Clinical Ophthalmology
Howard M. Eggers, M.D.
Arnold W. Forrest, M.D.
Emil Wirostko, M.D.

Assistant Clinical Professors
Albert Hofeldt, M.D.
William James, Jr., M.D.
Rainer N. Mittl, M.D.
Hugh M. Moss, M.D.
Louis D. Pizzarello, M.D.

Associate Research Scientists
Raul Oscar Chiesa, M.D.
Mary T. Flood, Ph.D.
Margaret H. Garner, Ph.D.
James E. Haley, Ph.D.
Jan Koniarek, B.S.
Wolf Krebs, V.M.D.
Lu-ku Li, Ph.D.
Martin McDermott, Ph.D.
Cecily Medvedosky, M.D.

Adjunct Associate Research Scientist
John M. Camisa, Ph.D.

SPECIAL LECTURERS
Frank M. Carroll, M.D.
George M. Merriam, M.D.
Karl Meyer, M.D.
(*also Biochemistry*)

Orthopedic Surgery

Frank Stinchfield Professor and Chairman
Harold M. Dick, M.D.

At Presbyterian Hospital

Professors of Clinical Orthopedic Surgery
Nas Ser Eftekhari, M.D.
S. Ashby Grantham, M.D.
Charles S. Neer II, M.D.

Professor of Clinical Pathology
Austin D. Johnson, M.D.

Professor of Mechanical Engineering and Orthopedic Bioengineering
Van C. Mow, Ph.D.

Associate Professor of Anatomy and Cell Biology
Stephen Bruce Doty, Ph.D.

Associate Professor of Clinical Orthopedic Surgery
Hugo A. Keim, M.D.

Associate Clinical Professors
David L. Andrews, M.D.
John R. Denton, M.D.
Rosamond Kane, M.D.

Assistant Professors
Louis U. Bigliani, M.D.
Michael Aloysius Kelly, M.D.
Stephen J. McIlveen, M.D.
Christopher B. Michelson, M.D.
Melvin P. Rosenwasser, M.D.
David Price Royce, Jr., M.D.

Assistant Professors of Clinical Orthopedic Surgery
Jean-Pierre C. Farcy, M.D.
Howard A. Kiernan, Jr., M.D.

Assistant Clinical Professors
Peter Carbonara, M.D.
Merle H. Katzman, M.D.
Harvey Orlin, M.D.
Robert M. Reiss, M.D.
Thomas Rodda, M.D.
Joseph E. Salvatore, M.D.
Martin L. Sorger, M.D.
Ronald Tietjen, M.D.

Assistant Professor of Orthopedic Biomechanics
Robert W. Pawluk, M.B.A.

Associate Research Scientist
Robert James Foster, Sc.D.

SPECIAL LECTURERS
C. Andrew L. Bassett, M.D.
Frank E. Stinchfield, M.D.

Otolaryngology

Professor and Chairman
Maxwell Abramson, M.D.

At Presbyterian Hospital

Professor of Auditory Biophysics
Shyam K. Khanna, D.R.E.

Professors of Clinical Otolaryngology
Andrew Blitzer, M.D.
(*also Oral Surgery*)
Robert M. Hui, M.D.

Professor of Clinical Audiology and Speech Pathology
Thomas H. Fay, Ph.D.

Clinical Professors
Lawrence Savetsky, M.D.
Malcolm H. Schvey, M.D.

Associate Professor of Clinical Otolaryngology
Cheng Chun Huang, Ph.D.

Associate Clinical Professor of Dentistry
John D. Piro, D.D.S. (*Prosthetics*)

Assistant Professors
Soly Baredes, M.D.
Jack Joseph Wazen, M.D.

Assistant Professors of Clinical Otolaryngology
Lee David Eisenberg, M.D.
(*in Surgery*)
Judith Jay, M.D.
Barry M. Shapiro, M.D.

Assistant Clinical Professors
Hyun T. Cho, M.D.
Raymond B. Strauss, M.D.

Adjunct Associate Research Scientist
Jonathan B. Allen, Ph.D.

Pathology

Professor and Chairman
Michael L. Shelansky, M.D.

At Presbyterian Hospital

Professors
Richard Axel, M.D.
(*also Biochemistry*)
William A. Blanc, M.D.
Paul Ellner, Ph.D.
(*also Microbiology*)
Gabriel C. Godman, M.D.
(*also Microbiology*)
Ralph M. Richart, M.D.
Virginia Tennyson, Ph.D. (*also Anatomy and Cell Biology*)

Professor of Surgical Pathology
Luciano Ozzello, M.D.

Adjunct Professors
S. Raymond Gambino, M.D.
Robert V. Hutter, M.D.
Harry L. Joachim, M.D.
Sidney Pestka, M.D.

Professor of Clinical Pathology
Carmia Borek, Ph.D.,
(*in Radiology*)
Austin D. Johnston, M.D.
(*in Orthopedic Surgery*)
Armand F. Miranda, Ph.D.
Nicole Sujcui-Foca, Ph.D.
(*in Surgery*)

Professor of Clinical Surgical Pathology
Karl Perzin, M.D.

Clinical Professors
Pablo Rubinstein, M.D.
Sheldon C. Sommers, M.D.

Clinical Professor of Oral Pathology
Melvin N. Blake, D.D.S.

Adjunct Clinical Professor
Jan Vincent Johannesen, M.D.

Associate Professor
John J. Fenoglio, Jr., M.D.
Ah-Kau Ng., M.D. (*in Surgery*)

Associate Professors of Neuropathology
Lester M. Geller, Ph.D.
Mavis Kaufman, M.D.
(*in Psychiatry*)

Associate Professor of Clinical Neuropathology
Richard S. Defendini, M.D.

Associate Professor of Clinical Pathology
Thomas A. Blumenfeld, M.D.
Reba M. Goodman, Ph.D.
Ricardo Mesa-Tejada, M.D.
Michael Pesce, Ph.D.

Adjunct Associate Professors
Ernest Baden, M.D.
Lewis Allen Johnson, M.D.
M. Richard Pachter, M.D.
Robert R. Rickert, M.D.
John A. Terzakis, M.D.
Kaity Yannopoulos, M.D.
Frederick T. Zugibe, Ph.D.

Associate Clinical Professors
Irwin A. Almenoff, M.D.
Daniel W. Benninghoff, M.D.
Donald E. Brown, M.D.
John M. Budinger, M.D.
Robert L. Hirsch, M.D.
Artemis D. Nash, M.D.
Stanley Simbonis, M.D.
Richard L. Swarm, M.D.

Adjunct Associate Clinical Professor
Majid Ali, M.B.B.S.

Associate Clinical Professor of Neuropathology
Nicholas J. Willson, M.D.
(*in Psychiatry*)

Assistant Professors
Carole Louis Berger, Ed.D.
(*also Dermatology*)
James S. Brassel, M.D.
Jerome Owen Cantor, M.D.
John H. Chow, M.D.
Christopher P. Crum, M.D.
Vivette Denise D'Agati, M.D.
Margaret M. Grimes, M.D.
Stephen Keller, Ph.D.
William Joseph Kupsky, M.D.
Jay Lefkowitz, M.D.
Charles C. Marboe, M.D.
Merlin D. Marquardt, M.D.
(*in Ophthalmology*)
Kathleen Mary O'Toole, M.D.
Janet Tannenbaum, Ph.D.
Philip C. Ursell, M.D.

Assistant Professors of Clinical Neuropathology

Herbert Barden, Ph.D.
Arthur P. Hays, M.D.

Assistant Professors of Clinical Pathology

E. Glenn Armstrong, Ph.D. (*in the Center for Clinical Research*)
Joseph M. Ceretta, Ph.D.
Thomas Landes Clemens, Ph.D.
Margaret Collins, M.D.
Daniel J. Fink, M.D.
Seth Goldberg, M.D.
May Parisien, M.D.
Gerda Nette, Ph.D.
Philip Tomashefsky, Ph.D. (*in Urology*)

Assistant Clinical Professors

Lucretia Allen, M.D.
Stefan D. Epstein, M.D.
Hiroshi Nakazawa, M.D.
Mohamed Osman, Ph.D.
Henry G. Shriever, M.D.
Ralph W. Snyder, M.D.
Heldrun Zweitnig-Rotterdam, M.D.

Assistant Clinical Professor of Neuropathology

Michael Kogan, Ph.D.

Adjunct Assistant Professors

Solange G. Abunassar, M.D.
Paul Bachner, M.D.
Larry E. Douglass, M.D.
Howard B. Goldstein, M.D.
Arthur I. Hurvitz, Ph.D.
Paul A. Krieger, Ph.D.
Richard A. McReynolds, M.D.
Robert D. Newman, M.D.
Joseph E. O'Brien, M.D.
Carolyn M. Salafia, M.D.
Maria Shevchuk, M.D.

Adjunct Assistant Professor of Neuropathology

Andrew J. Dwork, M.D.

SPECIAL LECTURERS

Lester R. Cahn, M.D.
David Cowen, M.D.
C. Zent Garber, M.D.
Raffaele Lattes, M.D.
Conrad Pirani, M.D.
Leon Roizin, M.D.

SPECIAL LECTURER IN SURGICAL PATHOLOGY

D. Keith McElroy, M.D.

Pediatrics**Reuben S. Carpentier Professor and Chairman**

Michael Katz, M.D.

At Presbyterian Hospital**Professors**

R. Peter Altman, M.D. (*Schullinger Professor of Pediatric Surgery*) (*also Surgery*)
Arthur D. Bloom, M.D. (*also Genetics and Development*)
Ralph Dell, M.D.
Darryl C. De Vivo, M.D. (*also Neurology*)

Anne A. Gershon, M.D.
Welton M. Gersony, M.D.
Allen I. Hyman, M.D. (*also Anesthesiology*)

L. Stanley Jmaes, M.D. (*also Obstetrics and Gynecology*)
Robert B. Mellins, M.D.
Sergio Piomelli, M.D.
Myron Winick, M.D. (*Williams Professor*)

Professors of Clinical Pediatrics

Abe Chutorian, M.D. (*also Neurology*)
Nicholas Cunningham, M.D. (*also Public Health*)
John M. Driscoll, M.D.
Sylvia P. Griffiths, M.D.
Jerry C. Jacobs, M.D.
Anneliese L. Sitarz, M.D.

Clinical Professors

Russell S. Asnes, M.D.
William J. Davis, M.D.
Joseph A. Silverman, M.D.

Associate Professors

Richard Deckelbaum, M.D.
Gabriel G. Haddad, M.D.
William C. Heird, Ph.D.
Ehud Krongrad, M.D.
Jeffrey Michael Lipton, M.D.
Gilbert W. Mellin, M.D.
Akira Morishima, M.D.
Nigel Paneth, M.D. (*also Public Health*) (*in the Sergievsky Center*)
Raymond I. Stark, M.D.

Associate Professor of Pharmacology

Joseph Graziano, Ph.D.

Associate Professors of Clinical Pediatrics

Stephen J. Atwood, M.D.
Jennifer J. Bell, M.D.
Charles H. Feldman, M.D.
Harold E. Fox, M.D. (*also Obstetrics & Gynecology*)
Allan Hordof, M.D.
Adrien Moessinger, M.D.
Martin Nash, M.D.
Jane Pitt, M.D.
Tove S. Rosen, M.D.
Karl F. Schulze, M.D.
Dorothy Warburton, Ph.D. (*in Genetics and Development*)

Associate Clinical Professors

Fred Agre, M.D.
Robert Appleby, M.D.
William A. Bauman, M.D.
Frederick Bomback, M.D.
Constance J. Hayes, M.D.
Mathilde Irigoyen, M.D.
John J. Kangos, M.D.
Kenneth H. Katz, M.D.
George Lazarus, M.D.
Harriet E. McGurk, M.D.
Michael Novogroder, M.D.
Jack Shiller, M.D.

Research Scientist

Rajeskhar Ramakrishnan, D. Eng. Sci.

Assistant Professors

Linda Addonizio, M.D.
Kwame Anyane-Yeboah, M.D.
Alia Bazy-Asaad, M.D.
Fredrick Bierman, M.D.
Dennis Davidson, M.D. (*also Public Health*) (*in the Sergievsky Center*)
Leslie Davidson, M.D.
Candace Jean Erickson, M.D.
James Garvin, M.D.
Ludovico Guarini, M.D.
Sudha Kashyap, M.B.B.S.
Norma B. Lerner, M.D.
Joseph S. Levy, M.D.
Peter M. Luckett, M.D.
Andrea M. Marks, M.D.
Joan A. Regan, M.D.
Ulana Sanocka, M.D.
Robert L. Seigle, M.D.
Thomas Joseph Starc, M.D.

Assistant Professors of Clinical Pediatrics

Gaya S. Aranoff, M.D.
Christine Marie Donnelly, M.D.
Bernard R. Feldman, M.D.
Burton Grebin, M.D.
Samistha Bhaduri Hauger, M.D.
Donald E. Hutchings, M.D. (*also Psychiatry*)
Celia Ores, M.D.
Nan Salamon, M.D.

Assistant Clinical Professors

Rose G. Ames, M.D.
Michael Bartalos, M.D.
Alexander Blum, Jr., M.D.
Matilda B. Brust, M.D.
Roger Challop, M.D.
Yvonne T. Driscoll, M.D.
T. Donald Eisenstein, M.D.
Jane Eliot Fried, M.D. (*in Psychiatry*)
Marguerite J. Gates, M.D.
Gustave Gavis, M.D.
Stephen Glaser, M.D.
Bertram H. Grossman, M.D.
Philip Kazlow, M.D.
Murray D. Kuhr, M.D.
Betty C.M.L. Kuo, M.D.
Daniel J. Melia, M.D.
Mona Milstein, M.D.
Harriette R. Mogul, M.D.
Damyanti Moorjani, M.D. (*also Rehabilitation Medicine*)
Stanley Morrison, M.D.
Herbert Poch, M.D.
Morton H. Rachelson, M.D.
Margaret M. Rice, M.D.
Roderick C. Richards, M.D.
Louis Rodrigues, M.D.
John S. Rosmaita, M.D.
Malcolm S. Schwartz, D.O.
Edith M. L. Kuo-Ying Shen, M.D.
Kung-Tso Sheng, M.D.
David Siegler, M.D.
William H. Smith, M.D.
Susan Spear, M.D.
Margaret Ann Stillman, M.D.
Martin B. Vita, M.D.
David Wisotsky, M.D.

Associate Research Scientists

Elizabeth Anisfeld, Ph.D.
David F. Donnelly, Ph.D.

David Evans, Ph.D.
Shiv Kapoor, M.S.
Moshe J.L. Levison, Ph.D.
Carol Seaman, M.S.
Malathy Singh, Ph.D.
Sharon P. Steinberg, Ph.D.
Yvonne Wasilevski, Ph.D.
Joyce Weil, Ph.D.

Pharmacology**David Hosack Professor and Chairman**

Brian F. Hoffman, M.D.

Professors

J. Thomas Bigger, Jr., M.D. (*also Medicine*)
John Bilezikian, M.D. (*also Medicine*)
Norman Kahn, Ph.D. (*also Dental and Oral Surgery*)
Harold C. Neu, M.D. (*also Medicine*)
Shi-Hsun Ngai, M.D. (*also Anesthesiology*)
Michael R. Rosen, M.D. (*also Pediatrics*)
Wilbur H. Sawyer, M.D. (*Gustavus and Louis Pfeiffer Professor*)
Hsueh-Hwa Wang, M.D.
Andrew L. Wit, Ph.D.

Adjunct Professors

Allan H. Conney, Ph.D. (*in Anesthesiology*)
Paul F. Cranefield, M.D.
Peter K.T. Pang, Ph.D.
Jurg Schneider, M.D.
Sidney Spector, Ph.D. (*also Anesthesiology*)
Robert M. Weiss, M.D.

Associate Professor

Joseph Graziano, Ph.D. (*in Pediatrics*)
Richard B. Robinson, Ph.D.

Adjunct Associate Professors

Arthur Joel Blume, Ph.D.
Marvin R. Blumenthal, M.D.
Ira Cohen, M.D.

Research Scientists

Peter Danilo, Jr., Ph.D.
Daniel J. Goldner, Ph.D.

Assistant Professors

Penelope Altman Boyden, Ph.D.
Kenneth Dangman, Ph.D.
Stephen Jay Feinmark, Ph.D. (*in Medicine*)
Daniel J. Goldberg, Ph.D. (*also Neurology*)
Richard Paul Kline, Ph.D.
Richard B. Robinson, Ph.D.
Steven A. Siegelbaum, Ph.D. (*in the Center for Neurobiology and Behavior*)

Adjunct Assistant Professors

Kwun-Ping Fu, Ph.D.
Jaya Haldar, Ph.D.
Edward B. Kirsten, Ph.D.
Robert S. Sloviter, Ph.D. (*also Neurology*)

Associate Research Scientists

Francesco Belardetti, M.D.
 Stephen M. Dillon, Ph.D.
 Karl P. Dresdner, Ph.D.
 Lisa Ebihara, M.D.
 Gea-Ny Tseng, Ph.D.

Adjunct Associate Research Scientist

Jeffrey L. Hill, Ph.D.

Physiology and Cellular Biophysics**John C. Dalton Professor and Chairman**

Samuel C. Silverstein, M.D.

Professors

Qais Al-Awgati, M.B., Ch.B. (also Medicine)
 Shu Chien, Ph.D.
 Michael Field, M.D. (also Medicine)
 Jorge Fischbarg, M.D. (in Ophthalmology)
 Eric R. Kandel, M.D. (University Professor) (also Psychiatry)
 William L. Nastuk, Ph.D.
 Mero Nocenti, Ph.D.
 David Schachter, M.D.
 James H. Schwartz, M.D. (also Neurology) (in the Center for Neurobiology and Behavior)

Associate Professors

Martin Blank, Ph.D.
 Raimond Emmers, Ph.D.
 Michel Ferin, M.D. (in Obstetrics and Gynecology)
 Kung-Ming Jan, Ph.D. (also Medicine)
 Herbert Lipowsky, Ph.D.

Senior Research Scientist

Shunichi Usami, Ph.D.

Assistant Professor

Jane Dodd, Ph.D.

Associate Research Scientists

Richard E. Abbott, Ph.D.
 Anne Marie Chabanel, Ph.D.
 Martha B. Furie, Ph.D.
 Steven D. House, Ph.D.
 Mary E. Kirch, Ph.D.
 Mary M. L. Lee, Ph.D.
 John D. Loike, Ph.D.
 Emily Ann Schmalzer, M.A.
 Shlomoh Simchon, Ph.D.
 Lily Soo, Ph.D.
 Kuo-Li Paul Sung, Ph.D.
 Lanping Amy Sung, Ph.D.

Adjunct Associate Research Scientists

Ronald D. Carlin, Ph.D.
 Dean A. Handley, Ph.D.

Psychiatry**Lawrence Kolb Professor and Chairman**

Herbert Pardes, M.D.

At New York State Psychiatric Institute**Professors**

Myron Hofer, M.D.
 Eric R. Kandel, M.D. (University Professor) (also Physiology)

Donald F. Klein, M.D.
 Irving Kupferman, Ph.D. (also Physiology) (in the Center for Neurobiology and Behavior)

David Shaffer, M.B.B.S.
 Robert L. Spitzer, M.D.
 Robert J. Weiss, M.D. (also Medicine) (also Public Health)

Professor of Dentistry

Austin H. Kutscher, D.D.S.

Professor of Public Health

Denise Kandel, Ph.D. (Sociomedical Sciences)

Professor of Social Sciences

Bruce Dohrenwend, Ph.D. (also Public Health) (Epidemiology)

Professor of Clinical Neurochemistry

Hadassah Tamir, Ph.D.

Professors of Clinical Psychiatry

H. Donald Dunton, M.D. (in Pediatrics)
 L. Erlenmyer-Kimling, Ph.D. (in Human Genetics and Development)
 Ronald R. Fieve, M.D.
 Archie R. Foley, M.D.
 Alexander H. Glassman, M.D.
 Barry J. Gurland, M.B., Ch.B. (Borne Professor)
 Joseph Jaffe, M.D.
 Donald S. Kornfeld, M.D.
 Roger MacKinnon, M.D.
 Sidney Malitz, M.D.
 Ethel Person, M.D.
 Frederic M. Quitkin, M.D.
 John D. Rainer, M.D. (in Human Genetics and Development)
 James H. Ryan, M.D.

Professors of Clinical Psychology

Jean Endicott, Ph.D.
 Anke Ehrhardt, Ph.D.
 Rachel Gittelman, Ph.D.

Professor of Clinical Social Sciences

Emily Mumford, Ph.D.

Clinical Professors

Paul A. Bradlow, M.D.
 Richard Druss, M.D.
 Richard A. Gardner, M.D.
 Willard Gaylin, M.D.
 Clarice J. Kestenbaum, M.D.
 Benjamin Kissin, M.D.
 Alexander M. Levay, M.D.
 Robert S. Liebert, M.D.
 Donald Myers, M.D.
 Helen Myers, M.D.
 Ralph N. Wharton, M.D.

Associate Professor of Medical Psychology

Jacques Rutschmann, D.Sc.

Associate Professor of Clinical Biochemical Psychiatry

George Alexander, Ph.D.

Associate Professors of Clinical Neurobiology and Behavior

Vincent F. Castellucci, Ph.D.
 John D. Koester, Ph.D.

Associate Professors of Clinical Psychiatry

Amiram Barkai, Ph.D.
 Miron Baron, M.D.
 Ruth Bennett, Ph.D. (Sociology) (in Public Health)
 Jerry Finkel, M.D. (also Medicine)
 David V. Forrest, M.D.
 Jack Matthew Gorman, M.D.
 Lawrence L. Greenhill, M.D.
 Michael Liebowitz, M.D.
 Jerrold S. Maxmen, M.D.
 John M. Oldham, M.D.
 Ronald O. Rieder, M.D.
 Bernard T. Walsh, M.D.
 Stuart Yudofsky, M.D.

Associate Professors of Clinical Psychology

Judith V. Becker, Ph.D.
 W. Crawford Clark, Ph.D.
 David Friedman, Ph.D.
 Dennis D. Kelly, Ph.D.
 Heino F. L. Meyer-Bahlburg, Ph.D.
 Judith Rabkin, Ph.D. (Epidemiology)
 Michael Terman, Ph.D.
 Janet B. Williams, M.S.W.

Associate Professors of Clinical Psychopharmacology

Thomas Cooper, M.A.
 Michael Stanley, Ph.D.

Associate Clinical Professors

Clemens Christian Beels, M.D.
 Anne E. Bernstein, M.D.
 Ian Alberto Canino, M.D.
 William J. Chambers, M.D.
 Stanley Coen, M.D.
 Carol L.M. Caton, Ph.D. (in Public Health)
 Gladys Egri, M.D.
 Gloria Faretra, M.D.
 Rodman Gilder, Jr., M.D.
 Robert Glick, M.D.
 Arthur Green, M.D.
 Stanley Heller, M.D.
 Steven E. Hyler, M.D.
 Stuart L. Kaplan, M.D.
 Frederick Kass, M.D.
 Neil B. Kavey, M.D.
 Samuel Klagsbrun, M.D.
 Gilbert W. Kliman, M.D.
 Thomas Kranjac, M.D.
 Stephen Levitan, M.D.
 Frederick Lane, M.D.
 Alan M. Levy, M.D.
 Eric Marcus, M.D. (also Medicine)
 Michael Milano, M.D.
 John F. O'Connor, M.D.
 Seymour Post, M.D.
 Arnold Rothstein, M.D.
 Safa Saribeyoglu, M.D.
 Daniel Shapiro, M.D.
 Leonard M. Sheehy, M.D.
 Andrew Skodol, M.D.
 Henry I. Spitz, M.D.
 Gail L. Wasserman, M.D.
 Josef Weissberg, M.D.
 Daniel T. Williams, M.D.

Associate Clinical Professors of Medical Psychology

Kenneth Frank, Ph.D.
 Wilma Rosen, M.D.
 Mary Jane Rotheram, Ph.D.

Research Scientist

Morton Levitt, Ph.D.

Assistant Professors of Clinical Neurobiology and Behavior

Robert D. Hawkins, Ph.D.
 John Martin, Ph.D.

Assistant Professors of Clinical Psychiatry

Stan David Arkow, M.D.
 William J. Chambers, M.D.
 Sheldon Frank, M.D.
 Abby Joy Fyer, M.D.
 Robert L. Goldstein, M.D.
 Paul Joel Goodnick, M.D.
 Madelyn Schwartz Gould, M. Phil.
 Kenneth Greenspan, M.D.
 Wilma M. Harrison, M.D.
 Andrei-Claudian Jaeger, M.D.
 Charles A. Kaufmann, M.D.
 Patrick J. McGrath, Jr., M.D.
 Sukdeb Mukharjee, M.D.
 Philip R. Muskin, M.D.
 Joan Prudic, M.D.
 Steven Rayport, M.D. (in Anatomy and Cell Biology and the Center for Neurobiology and Behavior)
 Steven Paul Roose, M.D.
 Lawrence Sharpe, D.P.M.
 Jonathan M. Silver, M.D.
 Paul Douglas Trautman, M.D.

Assistant Professors of Clinical Psychology

Stephen C. Brake, Ph.D.
 Edward Scott Charles, M.A.
 Donald J. Dillon, Ph.D.
 William P. Fifer, Ph.D.
 Richard W. Ganes, Ph.D.
 Rita Haggerty, Ph.D.
 Helen Hanesian, Ed.D.
 Donald E. Hutchings, Ph.D. (also Pediatrics)
 Maureen Kanzler, Ph.D.
 Stephen E. Karpiak, Ph.D.
 Dolores Kreisman, Ph.D.
 Jesse Bernard Levine, Ph.D.
 Ronnie Lee Levine, Ph.D.
 Salvatore Mannuzzi, Ph.D.
 Michael M. Myers, Ph.D.
 Craig E. Polite, Ph.D.
 Stephanie Portnoy, Ph.D.
 Michael Potegal, Ph.D.
 Michael Seth Quittman, Ph.D.
 Sergio Rothstein, Ph.D.
 Richard P. Sloan, Ph.D.
 Cornelis Stokman, Ph.D.
 Jeffrey Young, Ph.D.

Assistant Professor of Clinical Neuropsychology

Isak Prohovnik, Ph.D.

Assistant Professor of Clinical Psychiatric Social Work

Barbara Von Bulow, M.S.W.

Assistant Professors of Clinical Social Sciences

Alexander Askenazy, Ph.D.
 Muriel Hammer, Ph.D.

Assistant Professor of Clinical Social Work

Netti Terestman, D.S.W.

Assistant Clinical Professors

Syed Abdullah, M.B.
 Harry D. Albert, M.D.
 Carmen M. Alonso, M.D.
 Morton J. Aronson, M.D.
 John A. Atchley, M.D.
 Athanasia Balkoura, M.D.
 John Joseph Barsa, M.D.
 Leah Beck, M.D.
 Robinette Bell, M.D.
 Raymond Bernick, M.D.
 Carol A. Bernstein, M.D.
 Stanley Bone, M.D.
 Edward N. Brennan, M.D.
 Richard Brockman, M.D.
 A. Alexis Brosen, M.D.
 Paul F. Califano, M.D.
 Robert J. Campbell, M.D.
 Raphael Campeas, M.D.
 Harvey R. Chertoff, M.D.
 Daniel Elliot Cohen, M.D.
 Frances Cohen, M.D.
 Max P. Cohen, M.D.
 Louise Coleman, M.D.
 Francine Cournois, M.D.
 DeWitt L. Crandell, M.D.
 Barbara H. DeBetz, M.D.
 Paola Decina, M.D.
 Zira De Fries, M.D.
 Leonard Diamond, M.D.
 Jennifer I. Downey, M.D.
 Paula Eagle, M.D.
 Robert M. Elvolve, M.D.
 Charles F. Entelis, M.D.
 Bruce W. Fader, M.D.
 Katherine Falk, M.D.
 William A. Fisher, M.D.
 James W. Flax, M.D.
 Gerald I. Fogel, M.D.
 Bruce Forester, M.D.
 Eugene A. Friedberg, M.D.
 Cathy Jane Friedman, M.D.
 Lee R. Gardner, M.D.
 Myron R. Gershberg, M.D.
 Iona H. Ginsburg, M.D.
 Richard J. Glavin, M.D.
 Ana B. Glick, M.D.
 Edwin Goldstein, M.D. (*in Pediatrics*)
 Lloyd A. Hamilton, Jr., M.D.
 Martin V. Hart, M.D.
 Rose Hartmann, M.D.
 Myra S. Hatterer, M.D.
 Gregory Heimark, M.D.
 Michelle L. Hirsch, M.D.
 Joel S. Hoffman, M.D.
 Ewald Horwath, M.D.
 Wynn K. Jackson, M.D.
 Roberta Jaeger, M.D.
 David Jaffe, M.D.
 David Alan Kahn, M.D.
 Jeffrey Paul Kahn, M.D.
 Lila J. Kalinich, M.D.
 Sherry P. Katz-Bearnot, M.D.
 Robert Michael Kertzner, M.D.
 Harold S. Koplewicz, M.D.
 Peter Laderman, M.D.
 Lucy Bergson La Farge, M.D.
 Leon Lefer, M.D.
 David Y. Levine, M.D.
 Laurence S. Lorefice, M.D.
 Andrew C. Lotterman, M.D.

George Luhrmann, M.D.
 William McFarlane, M.D.
 Lisa Ann Mellman, M.D.
 Frederick Mendelsohn, M.D.
 Craig M. Morris, M.D.
 Robert S. Mumford, M.D.
 Joseph C. Napoli, M.D.
 Jaime Nos, M.D.
 David Douglas Olds, M.D.
 Louis Padovano, M.D.
 Patricio R. Paez, M.D.
 Robert P. Parkin, M.D.
 David Peretz, M.D.
 Nancy Q. Petersmeyer, M.D.
 Jeffrey M. Pines, M.D.
 Kathryn F. Prescott, M.D.
 Harris Rabinovich, M.D.
 Jeffrey S. Rosecan, M.D.
 Lyle E. Rosnick, M.D.
 Boris Rubinstein, M.D. (*also Pediatrics*)
 Barbara Sacco, R.N.
 M. Bruce Sarlin, M.D.
 Pellegrino J. Sarti, M.D.
 Murray David Schane, M.D.
 Lawrence Shaderowsky, M.D.
 Peter A. Shapiro, M.D.
 Edward M. Shelley, M.D.
 Charles Siegal, M.D.
 Frieda H. Spady, M.D.
 H. David Stein, M.D.
 Laurie Ann Stevens, M.D.
 Jonathan W. Stewart, M.D.
 Diane L. Stone, M.D.
 Susan M. Sussman, Ph.D.
 Rafael Tavaras, M.D.
 Eleanor M. Townsend, M.D.
 Ann R. Turkel, M.D.
 Martin Weiler, M.D.
 Agnes H. Whitaker, M.D.
 George H. Wilkie, M.D.
 Donald A. Winn, M.D.
 Beth K. Yudofsky, M.D.

Assistant Clinical Professor of Pediatric Psychology

Jeannette J. Jansky, Ph.D.

Assistant Clinical Professors of Medical Psychology

Aryeh Anavi, Ph.D.
 Elizabeth W. Auriccho, Ph.D.
 Mark J. Blechner, Ph.D.
 Melinda Broman, Ph.D.
 Walter Inz, M.D.

Assistant Clinical Professors of Psychiatric Social Work

Miriam Gibbon, M.S.W.
 Bobba Jean Moody, M.S.W.

Associate Research Scientists

Samuel W. Anderson, Ph.D.
 David P. Birkett, M.B. B. Ch.
 Richard L. Blumenthal, Ph.D.
 Barbara Ann Cornblatt, Ph.D.
 Ralph G. Crawford, Ph.D.
 Cynthia L. Crown, Ph.D.
 Basalingappa Hungund, Ph.D.
 Michael D. Jasnow, Ph.D.
 Mitchell L. Kietzman, Ph.D.
 Mary S. Mittelman, Dr. Ph.
 John Nee, Ph.D.
 Arthur S. Perumal, Ph.D.
 Graham F. Pringle, Ph.D.
 Kurt Salzinger, Ph.D.

Suzanna Salzinger, Ph.D.
 David E. Wilder, Ph.D.
SPECIAL LECTURERS
 Viola W. Bernard, M.D.
 John Cedarquist, M.D.
 John A. Cook, M.D.
 George Easton Daniels, M.D.
 Katrina De Hirsch, B.A.
 Samuel Feder, M.D.
 Marjorie H. Frank
 Lothar Gidro-Frank, M.D.
 Murray Glusman, M.D.
 William Goldfarb, M.D.
 George Goldman, M.D.
 Soll Goodman, M.D.
 Henriette R. Klein, M.D.
 Lawrence C. Kolb, M.D.
 Mary MacKay, M.D.
 Lionel Ovesey, M.D.
 Herbert Spiegel, M.D.
 Leo Srole, M.D.
 Bluma Swerdloff, D.S.W.
 Alberta Szalita, M.D.
 Virginia Wikling, M.D.
 Joseph Zubin, M.D.

Public Health

Joseph R. Delamar Professor of Public Health Practice, Dean, and Chairman
 Allan Rosenfield, M.D.

Biostatistics**Professors**

Joseph L. Fleiss, Ph.D.
 John Van Ryzin, Ph.D.

Adjunct Professor

Carl H. Erhardt, D.Sc.

Associate Professors of Clinical Public Health

Bruce Levin, Ph.D. (*in the Sergievsky Center*)
 Patrick Shrout, Ph.D. (*in the Sergievsky Center*)
 Sylvan Wallenstein, Ph.D.

Senior Research Scientist

Neal W. Chilton, D.D.S.

Assistant Professors

Robert R. Golden, Ph.D.
 Neil Jay Risch, Ph.D.

Adjunct Assistant Professors

Sol Blumenthal, Ph.D.
 Donald C. Ross, Ph.D.
 Martin Schnall, Ph.D.

Environmental Health Sciences**Professors**

Dezider Grunberger, Ph.D. (*also Biochemistry*) (*in the Institute of Cancer Research*)
 I. Bernard Weinstein, M.D. (*also Medicine*) (*in the Cancer Center*)

Research Scientists

Granville H. Sewell, Ph.D.

Assistant Professors

Alan M. Jeffrey, Ph.D. (*also Pharmacology*)
 Regina P. Santella, Ph.D.

Assistant Clinical Professors

Joseph L. Crumrine, M.D.
 Maurice E. Goldman, M.D.
 James A. Hathaway, M.D.
 Frederica P. Perera, Dr. P.H.

Epidemiology**Professors**

Jennifer L. Kelsey, Ph.D.
 Bruce P. Dohrenwend, Ph.D. (*also Psychiatry*)
 Zena A. Stein, B.Ch.
 Mervyn W. Susser, M.B., B.Ch. (*Sergievsky Professor*)

Professor of Clinical Psychiatric Epidemiology

Thomas S. Langner, Ph.D.

Associate Professors

W. Allen Hauser, M.D. (*also Neurology*) (*in the Sergievsky Center*)
 Elmer Struening, Ph.D.

Adjunct Associate Professors

Patricia R. Cohen, Ph.D.
 Holger H. Hansen, M.D.

Research Scientists

Lillian M. Belmont, Ph.D.
 Inge F. Goldstein, Ph.D.

Assistant Professors

Trudy L. Bush, Ph.D.
 Bruce G. Link, Ph.D.
 Ruth Ottman, Ph.D.
 Nigel S. Paneth, M.D. (*also Pediatrics*) (*in the Sergievsky Center*)

Stephen Shafer, M.D. (*also Neurology*) (*in the Sergievsky Center*)

Sten H. Vermund, M.D. (*also Pediatrics*)

Adjunct Assistant Professor

Ann B. Goodman, M.S.
 Paul S. May, D.Sc.
 Gregory L. Muhlin, Ph.D.

Associate Research Scientists

Ora S. Fagan, D.S.W.
 Jennie K. Kline, Ph.D. (*in the Sergievsky Center*)
 Robert A. Lubin, Ph.D.
 Elena S.H. Yu, Ph.D.

Health Administration**Professors**

Howard L. Bailit, Ph.D.
 Lowell E. Bellin, M.D.
 Lucie S. Kelly, Ph.D.
 Samuel Wolfe, M.D.

Adjunct Professor

Joseph V. Terenzio, J.D.

Associate Professor

Bernard Challenor, M.D.
 Jeanne M. Stellman, Ph.D.

Associate Professor of Clinical Public Health

Stephen N. Rosenberg, M.D.

Adjunct Associate Professor

Noreen M. Clark, Ph.D.
 Harold Fruchtbaum, Ph.D. (*History and Philosophy of Public Health*)
 Lloyd F. Novick, M.D.

Assistant Professor

Willine Carr, M.P.H.
Sheila A. Gorman, M.P.H.
Marcia L. Pinkett-Heller, M.P.H.
Levi A. Sorrell, Ph.D.
Kenneth E. Thorpe, Ph.D.

Assistant Professors of Nursing

Melanie Dreher, Ph.D.
Lois A. Grau, Ph.D.

Adjunct Assistant Professors

Raymond S. Alexander, M.B.A.
John Baer, D.B.A.
Tryfon J. Beazoglou, Ph.D.
Arlene Bregman, Dr.P.H.
Annette Choolfaian, M.P.A.
Merle C. Cunningham, M.D.
Anita Stiles Curran, M.D.
Harriet S. Goldman, D.D.S. (also
Dental and Oral Surgery)
William H. Hermann, M.S.
Nicholas Herskovits, B.B.A.
Sonja Johansen, Ph.D.
Henry R. Karpe, M.S.
William L. Nute, Jr., M.D.
P. Bertrand Phillips, Ed.D.
(*Public Health Practice*)
Arenold E. Rosenblum, J.D.
Eleanore Rothenberg, Ph.D.
Sheila M. Smythe, M.S.
John A. Toner, Ed.D.
Michael L. Ziegler, J.D.

Population and Family Health

Professor

Allan G. Rosenfield, M.D.

Professors of Clinical Public Health

Nicholas Cunningham, M.D.
John A. Ross, Ph.D. (in the
*International Institute for the
Study of Human Reproduction*)
Giorgio R. Solimano, M.D. (in the
Institute of Human Nutrition)
Joe D. Wray, M.D.

Adjunct Associate Professors

John Bongaarts, Ph.D.
Joy G. Dryfoos, M.D.
Thomas Frejka

Associate Professors of Clinical Public Health

Martin L. Gorosh, Dr.P.H.
Stephen L. Isaacs, J.D.

Assistant Professors

Katherine F. Darabi, M. Phil.
Judith E. Jones, B.A.
Sally A. Lederman, Ph.D.
Pearla Namerow, Ph.D.
S. Jaime Rozovski, Ph.D. (in
Institute of Human Nutrition)
William A. Van Wie, Dr.P.H.
Maxine Weinstein, Ph.D. (in the
*International Institute for the
Study of Human Reproduction*)

Adjunct Assistant Professor

Catherine Cowell, M.S.

Assistant Clinical Professors

Rosemary Barber-Madden, Ed.D.
Linda A. Randolph, M.P.H.

Associate Research Scientists

Henry J. Elkins, Jr., Ph.D.
Donald Lauro, Ph.D.

Sociomedical Sciences

Professors

Jack Elinson, Ph.D.
Denise B. Kandel, Ph.D.
(in *Psychiatry*)

Clinical Professors

Joseph Marbach, D.D.S.
(also *Dentistry*)

Associate Professor

Ruth G. Bennett, Ph.D.
John L. Colombotos, Ph.D.

Research Scientists

Ann F. Brunswick, Ph.D.
Mata K. Nikias, Ph.D.

Assistant Professor

Carol Caton, Ph.D.
Kazuo Yamaguchi, Ph.D.

Assistant Professor of Anthropology

Robert F. Wasserstrom, Ph.D.

Adjunct Assistant Professors

Margery Braren, Ph.D.
Sally Guttmacher, Ph.D.
Matthew A. Rosen, Ph.D.

Assistant Clinical Professor

James A. Lipton, Ph.D.

Associate Research Scientists

Stanley Fisher, Ph.D.
Lawrence Krasnoff, Ph.D.
Carole S. Vance, Ph.D.

Senior Research Associate

Paul S. Haberman, M.B.A.

Tropical Medicine

Professors

Dickson D. Despommier, Ph.D.
(*Parasitology*) (also *Microbiology*)
Michael Katz, M.D.
(also *Pediatrics*)

Associate Professor

Philip A. D'Alesandro, Ph.D.
(*Parasitology*) (also *Microbiology*)

Adjunct Associate Professor

John D. Frame, M.D.

Assistant Professor

M. Susanne Holmes Giannini,
Ph.D. (*Parasitology*) (also
Microbiology)

Assistant Clinical Professor

Martin G. Blechman, M.D.

*Faculty Members Not Affiliated
with Specific Divisions*

Professor

Robert J. Weiss, M.D. (*Delamar
Professor*) (also *Medicine*) (also
Psychiatry)

Associate Professors

Sami A. Hashim, M.D.
(*Public Health Nutrition*)
Stephen Wotman, D.D.S.

Adjunct Professor

Myron Brin, Ph.D. (*Public Health
Nutrition*)

Radiation Oncology

Professor and Chairman

James D. Cox, M.D.

At Presbyterian Hospital

Professors

Chu Huai Chang, M.D.
Eric J. Hall, D.Sc. (*Physics*)
Harald Rossi, Ph.D. (*Physics*)

Adjunct Professor

Victor P. Bond, Ph.D.
(*Radiation Biophysics*)

Associate Professors

Charles R. Geard, Ph.D.
(*Radiation Biophysics*)
Ritsuko Komaki

Associate Clinical Professor

Karen S. Fountain, M.D.

Research Scientist

Marco Zaider, Ph.D.
(*Radiation Biophysics*)

Assistant Professors

Myles Barry Astor, M. Phil.
David Janathan Brenner, Ph.D.
Howard B. Lieberman, Ph.D.
Arthur Liskow, M.D.
Michael J. Marchese, M.D.
Richard Cavin Miller, Ph.D.

Assistant Professors of Clinical

Radiation Oncology

Mary K. Martel, Ph.D.

Associate Research Scientists

Richard P. Bird, Ph.D.
(*Radiation Biophysics*)
Paul E. Goldhagen, Ph.D.
(*Radiation Biophysics*)
Tom K. Hei, Ph.D.
Paul J. Kliauga, Ph.D.
(*Radiation Biophysics*)
Gerhard Randers-Pehrson, M.D.
Jaime S. Rubin, Ph.D.

Radiology

**James Picker Professor and
Chairman**

David H. Baker, M.D.

At Presbyterian Hospital

Professors

Philip O. Alderson, M.D.
Walter E. Berdon, M.D.
Kent Ellis, M.D.
Sadek Hilal, M.D.

Professors of Clinical Radiology

Rashid Fawwaz, M.D.
Frieda Feldman, M.D.
Donald L. King, M.D.
Eric C. Martin, M.D.
Ralph Schlaeger, M.D.

Associate Professor

Jeffrey H. Newhouse, M.D.

**Associate Professors of Clinical
Radiology**

Thane Asch, M.D.
John H. Austin, M.D.
Peter D. Esser, Ph.D. (*Radiation
Biophysics*)
Monique C. Katz, M.D.
Edward L. Nickoloff, Sc.D.
(*Radiation Physics*)
Alan J. Silver, M.D.
Theodore Sheng-Tao Wang, Ph.D.

Associate Clinical Professors

Sundara R. Ganti, M.D.
Kevin L. Macken, M.D.
Robert Silbey, M.D.

Assistant Professors

John B. Amodio, M.D.
Jacqueline Bello, M.D.
Kaaren N. Bergquist, M.D.
Ronda Bixon, M.D.
Agnes M. Boxhill, M.D.
David Jonathan Brenner, Ph.D.
Susan Frank, M.D.
Alvin B. Galuten, M.D.
David C. Grant, M.D.
Alexander G. Khandji, M.D.
Karen Laffey, M.D.
Michel E. Mawad, M.D.
Franklin G. Moser, M.D.
Elizabeth W. O'Connell, M.D.
Ahalya Premkumar, M.D.
Benjamin Mayer Romney, M.D.
Joel M. Rosen, M.D.
Jonathan Isaac Rubin, M.D.
John Neal Rutledge, M.D.
David W. Seldin, M.D.
Rolando D. Singson, M.D.
Laurie Roizin Towle, M.S.

**Assistant Professors of Clinical
Radiology**

Sarah Abramson, M.D.
Andrew DeRogatis, M.D.
Thomas Lowinger, Ph.D.
Herman W. Lubetsky, M.D.
Andrew Arthur Maudsley, Ph.D.
In Ki Mun, Ph.D.
Jonathan Isaac Rubin, M.D.
Ellen F. Silverstein, M.D.
Sheng-Tao Wang, Ph.D.

Adjunct Assistant Professor
Bruce J. Biavati, Ph.D. (*Radiation
Biophysics*)

Assistant Clinical Professors

Harry Agress, Jr., M.D.
Gregory Marc Carsen, M.D.
Susan Judith Frank, M.D.
William M. Griffin, M.D.
Harvey L. Hecht, M.D.

Associate Research Scientists

Jong-Beom Ra, Ph.D.
Laurie Roizin Towle, M.S.
Peter M.S. Wai, D. Eng. Sc.

SPECIAL LECTURER

William B. Seaman, M.D.

Rehabilitation Medicine

**Simon Baruch Professor
and Chairman**

John A. Downey, M.D.

**Professors of Clinical
Rehabilitation Medicine**

Erwin G. Gonzalez, M.D.
Stanley J. Myers, M.D.

Associate Professor

Lucien J. Cote, M.D.
(also *Neurology*)

Associate Clinical Professor

Sanders W. Davis, M.D.

Assistant Professors of Clinical Rehabilitation Medicine

Anne Breuer, M.D.
Michael Hajdu, M.D.
Anthony J. Pisciotta, M.D.

Assistant Clinical Professors

Cayetano C. Co, M.D.
Antonio Cocchiarella, M.D.
Francis J. Foca, M.D.
Carolina O. McCagg, M.D.
Jonathan Moldover, M.D.
Damyanti G. Moorjani, M.D. (also Pediatrics)
Anthony P. Porcelli, M.D.
Naomi L. Turner, M.D.

Associate Research Scientist

Fredi Kronenberg, Ph.D.
Daniel Eugene Lemons, M.S.

Occupational Therapy

Associate Professor
Barbara Neuhaus, Ed.D.

Assistant Professor

Schone Pang, M.S.

Assistant Professors of Clinical Occupational Therapy

Simme Cynkin, M.S.
Janet Falk-Kessler, M.A.
Adele C. Germaine, M.S.
Patricia A. Miller, M.A.
Gordon Williamson

Physical Therapy

Associate Professors

Ruth Dickinson, M.A.
Althea M. Jones, M.A.

Associate Professor of Clinical Physical Therapy

Bernadette Hecox, M.A.

Assistant Professors

Thomas J. Schmitz, M.S.
Bonnie Teschendorf, M.S.

Assistant Professor of Clinical Physical Therapy

Mary Joan Day, M.S.

Surgery

Valentine Mott Professor, Johnson and Johnson Distinguished Professor and Chairman

Keith Reemtsma, M.D.

At Presbyterian Hospital

Professors

R. Peter Altman, M.D. (Schullinger Professor of Pediatric Surgery) (also Pediatrics)

Frank Gump, M.D.
David V. Habif, M.D. (Morris and Rose Milstein Professor)
Mark A. Hardy, M.D.
Frederic P. Herter, M.D. (Hugh Auchincloss Professor)
Norman E. Hugo, M.D.
Thomas C. King, M.D. (Jose Ferrer Professor)
John M. Kinney, M.D. (and in the Institute for Human Nutrition)
John B. Price, Jr., M.D.

Professor of Clinical Pathology

Nicole Suci-Foca, Ph.D.

Professors of Clinical Surgery

Frederick O. Bowman, Jr., M.D.
Kenneth A. Forde, M.D.
James R. Malm, M.D.
Alfred M. Markowitz, M.D.

Clinical Professor

Bashir Ahmad Zikria, M.D.

Associate Professors

Paul Lo Gerfo, M.D.
Henry M. Spotnitz, M.D.

Associate Professors of Clinical Surgery

Joseph A. Buda, M.D.
Ivo P. Janecka, M.D.
Alfred Jaretski III, M.D.
Francis C. Symonds, Jr., M.D.

Associate Clinical Professors

Robert G. Bertsch, M.D.
David Bregman, M.D.
David M. Ju, M.D.
Sven Kister, M.D.
George C. Peck, M.D.
John N. Schullinger, M.D.

Research Scientist of Biochemistry

David Elwyn, Ph.D.

Assistant Professors

Alan Benvenisty, M.D.
Arthur Cooper, M.D. (in the Institute of Human Nutrition)
Norman E. Hugo, M.D.
Roman Nowygrod, M.D.
Eric A. Rose, M.D.
Steven Todd Ruby, M.D.
Craig Richey Smith, M.D.

Charles J. H. Stoler, M.D.
George J. Todd, M.D.
Michael Treat, M.D.
Collin J. Weber, M.D.

Assistant Professor of Surgical Pathology

Michael Aloysius Kelly, M.D.

Assistant Clinical Professors

Paul H. Gerst, M.D.
Leif O. Holgersen, M.D.
Peter S. Liebert, M.D.

Associate Research Scientists

Robert James Foster, Sc.D.
Shanta M. Modak, Ph.D.

SPECIAL LECTURERS

Harold G. Barker, M.D.
Carl R. Feind, M.D.
William A. Gardner, M.D.
D. Keith McElroy, M.D.
Arthur B. Voorhees, Jr., M.D.
Philip D. Wiedel, M.D.

Urology

John K. Lattimer Professor and Chairman

Carl A. Olsson, M.D.

At Presbyterian Hospital

Professor of Clinical Urology
Ralph J. Veenema, M.D.

Associate Professor

Jerry G. Blaivas, M.D.

Associate Professors of Clinical Urology

Terry W. Hensle, M.D.
Peter J. Puchner, M.D.

Associate Clinical Professors

Stanley B. Braham, M.D.
Frank W. Longo, M.D.
Myron S. Roberts, M.D.

Assistant Professors

Mitchell Clark Benson, M.D.
Harris M. Nagler, M.D.

Assistant Professor of Clinical Urology

John D. Birkoff, M.D.

Assistant Clinical Professors

Peter N. DeSanctis, M.D.
J. Timothy Donovan, M.D.
John P. Grant, M.D.
Thor Steven Sawczuk, M.D.
Michael H. Wechsler, M.D.

CENTERS AND INSTITUTES

Center for the Study of Society and Medicine

Research Scholar

Sheila Rothman, M. Phil.

Associate Research Scholar

Sue M. Halpern, D. Phil.

Sergievsky Center

Associate Research Scientist

Oliver F. Chadwick, Ph.D.
Jennie K. Kline, Ph.D.

International Institute for the Study of Human Reproduction

Associate Research Scientists

James M. Allman, Ph.D.
Donald J. Lauro, Ph.D.
Elbert Lewis Mules, Ph.D.
Weng Kong Sung, Ph.D.
Eugene Martin Weiss, Ph.D.

Institute for Cancer Research

Associate Research Scientist
Vladimir Axelrod, Ph.D.

Institute of Human Nutrition

Assistant Professor of Clinical Nutrition

Robin Marks Kaufman, Ph.D.

Associate Research Scientist
Susan Kahn Fried, Ph.D.

*Most faculty in Centers and Institutes have Departmental appointments and are listed under these Department headings, with center or institute affiliation in parentheses after their names. Faculty listed here are those who hold appointments only in centers and institutes.

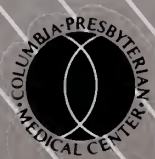
Prepared by the Office of Professional Communications,
Columbia University, Mae Rudolph, Director, and the
Public Interest Department, The Presbyterian Hospital,
Richard Zucker, Director.

Graphic design by Tanya Krawciw
Design assistant, Joan Datré

COLUMBIA UNIVERSITY LIBRARIES



0050075829



Columbia-Presbyterian Medical Center
622-630 West 168 Street
New York, N.Y. 10032-3784